# RBI Assistant 2020 

 Main Exam Previous YearDirection: Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of these.
In India, as well in other developing countries, there is evidence that the effectiveness of some vast public programmes designed at the national level has been consistently undermined by serious corruption at the local level. Consequently, the intended beneficiaries fail to see benefits from programmes that draw significant amounts of government resources. A pressing policy question-particularly in an era that increasingly emphasises decentralised delivery of public services-is how to mitigate this corruption and ensure that services reach their intended targets. Improved monitoring and enforcement from higher levels of government may prove effective, but may be too costly in many circumstances, even with improved technology.

Re-designing programmes to limit the incentives for corruption among those delivering the services is an ideal solution but may be politically difficult and may still leave important amounts of discretion with local agents, whether private or public. To address these issues, informal networks may be one potential solution.
National-level monitoring and enforcement can effectively
discipline local authorities in certain settings. But, this is not always forthcoming or cost-effective, and implementation often requires some accountability at the local level. Simple technological solutions, coupled with strictly enforced changes in incentive structures, can overcome obstacles of cost. However, in some cases, implementing the necessary technology or enforcing the proper incentive structures may be too expensive. In these cases, finding low-cost, local-level monitoring and enforcement mechanisms becomes more pressing. Bjorkman and Svensson (2009) demonstrate that community-level disciplinary actions, encouraged by NGOs, effectively improved service delivery by public health providers in the context of Uganda. We examine how informal monitoring and enforcement mechanisms operate and what is the resulting benefit in terms of improvement in public service delivery.
In a recent study, we focus on exploring the impact of informal caste networks in the efficient delivery of India's public distribution system (PDS). The PDS is India's largest response to the persistence of malnutrition. The system distributes food grains and other goods through over 450,000 fair price shops, where households are entitled to purchase goods at below market rates from a locally appointed shopkeeper. The subsidy
for grain is primarily targeted toward below-poverty-line (BPL) households, where BPL status is determined by local elected officials. The scale of the programme is massive-the food subsidy accounts for approximately $1.3 \%$ of India's GDP. At the same time, leakage in the system is persistently high. Recent estimates for 2007-2008 place the fraction of grain diverted by shopkeepers and others to the black market at an astounding $43.9 \%$ across India, which is actually an improvement over previous years.
Specifically, we explore the role that caste networks can play by comparing the traditionally disadvantaged members of the Hindu caste system, Scheduled Castes (SCs), to other castes. We examine household survey data from Uttar Pradesh in 1997, the year when the targeted version of the PDS (targeted toward BPL households) called TPDS, was introduced. Under TPDS, subsidies for grain were targeted primarily to BPL households, but subsidies for sugar and kerosene were available to all households. A distinct pattern emerges in the data-SC households have higher take-up of goods when they face SC shopkeepers, but this is only the case for grain and not for sugar and kerosene. We establish that this pattern is not explained by basic socio-economic differences across the castes, and not explained by
differences across villages that depend on the caste of the shopkeeper.
Our findings have a few important implications for policy design. First, there is a chance that increasing the value of the food subsidy-as envisioned in the National Food Security Bill-could actually lead to fewer households taking up goods. This is because, if monitoring is not increased sufficiently, a larger subsidy gives shopkeepers a larger incentive to black market goods. Second, expanding the number of people entitled to the PDS goodsanother element of the National Food Security Bill-could create a larger swathe of people monitoring the shopkeeper and punishing illegitimate activities, and have positive effects on take-up.

## Source:

https://www.livemint.com/Opinion/ zqb9fcVLIXvFoH2przpYiJ/Role-of-informal-networks-in-public-service-delivery.html

1. Which of the following is/are the ways to mitigate the corruption at the local level?
I. Improved monitoring and enforcement from higher levels of government
II. Conducting public programmes at local level
III. Low-cost, local-level monitoring and enforcement mechanisms
A. Only II
B. Both I and III

C. Both I and II
D. All I, II, and III
E. None of these
2. Which of the following statements is/are true with reference to the passage?
I. The PDS distributes food grains and other goods through over 650,000 fair price shops.
II. Implementing the necessary technology or enforcing the proper incentive structures can be too expensive in some areas.
III. BPL status is determined by central employees.
A. Only II
B. Both I and II
C. Only III
D. Both II and III
E. All I, II, and III
3.What is meant by the 'leakage in the system is persistently high'?
A. There is a data breach in the system.
B. The local elected officials buy the grains at a lower late from the shopkeepers.
C. The grains in the food subsidy programme are not entirely used for it. Rather, they are black marketed and sold by the shopkeepers.
D. The grains are not stored properly in the warehouse.
$E$. Both $B$ and $C$
4.Match the words with their synonyms:
a. Astounding
3. Perseverance
b. Enforcement
4. Amazing
c. Persistence
5. Imposition
A. $a-1, b-3, c-2$
B. $a-2, b-3, c-1$
C. $a-3, b-2, c-1$
D. $a-2, b-1, c-3$
E. $a-1, b-2, c-3$
6. Which of the following statements is False in reference to the passage?
A. Community-level disciplinary actions, encouraged by NGOs, effectively improved service delivery by public health providers in the context of Uganda
B. Under TPDS, subsidies for grain were targeted primarily to BPL households, but subsidies for sugar and kerosene were available to all households.
C. The TPDS is India's largest response to the persistence of malnutrition.
D. Household survey data from Uttar Pradesh was examined in 1997
E. None of these
7. Given below are two statements:
I. Expanding the number of people entitled to the PDS goods.
II. A large group of people monitoring the shopkeeper and punishing illegitimate activities. Which of the following is correct?
A. Statement I is the cause and statement II is the effect.
B. Statement II is the cause and statement I is the effect.
C. Both statements are the causes and have some other effect.
D. Both statements are the effects of some other cause.
E. Both the statements are independent of each other.
8. Which of the following is the antonym of 'illegitimate'?
A. Illegal
B. Licit
C. Outlawed
D. Felonious
E. Clandestine
9. Which of the following best describes the tone of the passage?
A. Caustic
B. Assertive
C. Deprecatory
D. Condescending
E. Informative

Direction: In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Global climate change has already had (\#\#\#Q1\#\#\#) effects on the environment. Glaciers have shrunk, ice on rivers and lakes is breaking up earlier, plant and animal ranges have shifted, and trees are (\#\#\#Q2\#\#\#) sooner.

Effects that scientists had (\#\#\#Q3\#\#\#) in the past would result from global climate change are now occurring - loss of sea ice, (\#\#\#Q4\#\#\#) sea level rise and longer, more intense heat waves.
Scientists have high confidence that global temperatures will continue to rise for decades to come, largely due to greenhouse gases produced by human activities. The Intergovernmental Panel on Climate Change (IPCC), which includes more than 1,300 scientists from the United States and other countries, (\#\#\#Q5\#\#\#) a temperature rise of 2.5 to 10 degrees Fahrenheit over the next century.
According to the IPCC, the extent of climate change effects on individual regions will vary over time and with the ability of different (\#\#\#Q6\#\#\#) and environmental systems to (\#\#\#Q7\#\#\#) or adapt to change.
The IPCC predicts that increases in global mean temperature of less than 1.8 to 5.4 degrees Fahrenheit ( 1 to 3 degrees Celsius) above 1990 levels will produce (\#\#\#Q8\#\#\#) impacts in some regions and harmful ones in others. Net annual costs will increase over time as global temperatures increase.
"Taken as a whole," the IPCC states, "the range of published evidence indicates that the net damage costs of climate change are likely to be significant and to increase over time."

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Complete Course (Batch 4)
9. Find the appropriate word.
A. Discernible
B. Imminent
C. Discreet
D. Sly
E. Treacherous
10.Find the appropriate word:
A. Duplicitous
B. Heinous
C. Flowering
D. Flagrant
E. Vivacious
11.Find the appropriate word:
A. Predicts
B. Predicted
C. Predicting
D. Predict
E. Have predicted
12.Find the appropriate word:
A. Mischievous
B. Anxious
C. Specific
D. Mounted
E. Accelerated
13.Find the appropriate word:
A. Despairs
B. Recalls
C. Dreads
D. Forecasts
E. Surrenders
14.Find the appropriate word:
A. Societal
B. Medical
C. Forlorn
D. Pitiful
E. Nugatory
15.Find the appropriate word:
A. Mitigates
B. Mitigate
C. Mitigated
D. Have mitigated
E. Were mitigated
16. Find the appropriate word:
A. Ominous
B. Infelicitous
C. Lackadaisical
D. Inert
E. Beneficial

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful
17.Modernist literature has become
$\qquad$ of the loss of War.
A. emblematic
B. dramatize
C. nonsense
D. dire
E. detach
18.The students $\qquad$ on the basketball team enthusiastically.
A. fail
B. festering
C. cheering
D. cheer
E. cheered
19.The dog looked on $\qquad$ as its master drove away.
A. hopeless
B. hope
C. hoped
D. hopelessly
E. hopelessness
20.The bands fan following before disappearing
altogether.
A. dwindle
B. dwindled
C. dwindles
D. dwindling
E. dashing
21.Suzan decided to continue working $\qquad$ feeling unwell.
A. despite
B. either
C. desperate
D. deterred
E. dizzy

Direction: In this question, two columns $I$ and II and three sentences are given, which are divided into two parts. Column I ( $\mathbf{A}, \mathbf{B}$ and $\mathbf{C}$ ) consists of first half of each sentence and Column II (D, E and F) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.
22.
I.
A) Directorate General of Civil Aviation has decided to immediately ground
B) These crashes are putting the safety of the popular jets under
C) The move comes after the 737 MAX aircraft operated by
II.
D) to fly back to India or go to a maintenance facility for parking.
E) all Boeing 737 Max aircraft in the Indian airspace.
F) the Ethopian Airlines crashed a few days ago.
A. B-E and C-F
B. A-E, B-F and C-D
C. A-F and C-D
D. B-F
E. A-E and C-F

Direction: In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II ( $D$, $E$ and $F$ ) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.
23.
I.
A) Surf Excel and Microsoft Excel are from different companies to
B) In 2008, Tata Tea for the first time introduced their iconic Jaago Re campaign,
C) People who got offended by the advertisement also
II.
D) do not have nay business with each other.
E) which left a strong impact in the minds of the viewers.
F) mistook MS Excel for Surf Excel, it seems.
A. B-E and C-F
B. A-E, B-F and C-D
C. A-F and $\mathrm{C}-\mathrm{D}$
D. B-F
E. A-E and C-F

Direction: In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II (D, E and F) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.
24.
I.
A. Feminism and women's rights date back to the
B. One such pamphlet from the year 1918 on display
C. A suffragette was a member of millitant
II.
D. women's organisations in the early 20th century.
E. without saying that for such a radical thought.
F. suffragette movement that flagged the first wave of feminism.
A. B-E and C-F
B. A-E, B-F and C-D
C. A-F and C-D
D. B-F
E. A-E and C-F

Direction: In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II (D, $\mathbf{E}$ and $\mathbf{F}$ ) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.
25.
I.
A. Our bones become brittle as we grow old
B. Red wine has high levels of silicon, an element that
C. Drinking a glass of wine gives your immune
II.
D. having a glass of milk or a glass of relaxing wine.
E. reduces the chances of osteoporosis.
F. is great for maintaining your mineral bone density.
A. B-E and C-F
B. A-E, B-F and C-D
C. A-F and C-D
D. B-F and B-E
E. A-E and C-F

Direction: In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II (D, $\mathbf{E}$ and $\mathbf{F}$ ) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.

## 26. Column I

A) It is better to discover this painful shortcoming in an employer
B) The levels of trade union and political activism in this country
C) A pattern is an abstract, repeatable, and reusable design construct,
Column II
D) before you start working for him or her.
E) has greatly declined in the past fifteen years.
F) such as architectures or algorithms.
A. B-E and C-F
B. A-E, B-F and C-D
C. A-F and C-D
D. B-E
E. A-D and C-F

Direction: In the given question, four words are printed in bold and are numbered 1, 2, 3 and 4 . Of these, the positions of two of these words may be incorrect and need to be exchanged to make the sentence correct. Find the two words which need to be exchanged. In case the given sentence is correct, your answer is (E), i.e. 'No exchange required'.
27. The bugle commenced (1) the Queen (2) and the Prince (3) before the court heralded. (4)
A. 1-2
B. 2-3
C. 3-4
D. 1-4
E. No exchange required
28.Her chocolates (1) for hankering (2) remained unsatisfied (3) since the shop was closed. (4)
A. 1-3
B. 1-2
C. 3-4
D. 2-3
E. No exchange required
29.She Disneyland (1) her father till he agreed (2) to take her on a trip (3) to hounded. (4)
A. 1-4
B. 1-2
C. 1-3
D. 2-3
E. No exchange required
30.The flag brave (1) at half-staff to mourn (2) the loss of fifty flew (3) soldiers in the line (4) of action.
A. 1-4
B. 1-2
C. 1-3
D. 3-4
E. No exchange required
31.Fencing and archery (1), though becoming obsolete (2) as battle skills, (3) linger on as sports. (4)
A. 1-2
B. 2-3
C. 3-4
D. 1-4
E. No exchange required

Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and ( $F$ ) in a proper sequence to form a meaningful paragraph, then answer the questions that follow.
A) She is also credited with having invented an app and Chrome extension that uses artificial intelligence to detect cyberbullying. B) Gitanjali Rao, from Denver, Colorado, has invented a device that can identify lead in drinking water.
C) Gitanjali was chosen from a field of 5,000 US-based nominees, which was brought down to five finalists.
D) A 15-year-old scientist and inventor has been named as Time magazine's first "kid of the year".
E) She said she hoped she could inspire others to dream up ideas to "solve the world's problems".
F) She and the other four finalists will be honoured in a TV special next Friday.
32. Which will be the fourth statement in the arrangement?
A. A
B. C
C. F
D. B
E. E
33. Which will be the first statement in the arrangement?
A. B
B. D
C. E
D. F
E. A
34. Which will be the third statement in the arrangement?
A. C
B. D
C. F
D. A
E. B
35. Which will be the second statement in the arrangement?
A. C
B. E
C. B
D. F
E. A
36. Which will be the last statement in the arrangement?
A. B
B. F
C. D
D. A
E. C
37. Which will be the fifth statement in the arrangement?
A. C
B. D
C. F
D. E
E. B

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., 'No replacement required'.
38. The race served as a head over
heels for the Olympic course, which will see athletes pounding surrounding streets.
A. a piece of cake
B. food for thought
C. a bad apple
D. dry run
E. No replacement required
39.They are welcomed, encouraged, and helped by the friendly staff and older members who already loose cannons.
A. know the ropes
B. buy a lemon
C. have a sweet tooth
D. break the ice
E. No replacement required
40.He was charged with leaking confidential information, but I got him over the top by vouching for his integrity.
A. down to earth
B. off the hook
C. castle in the sky
D. walking on air
E. No replacement required

Direction: Study the following table carefully and answer the questions that follow.
The table given below shows the cost price and profit percent of two shops A and B for 4 products - $\mathrm{P}, \mathrm{Q}$, $R$ and $S$.

| Product | Cost price | Profit \% |  |
| :---: | :---: | :---: | :---: |
|  |  | Shop A | Shop B |
| P | Rs. 240 | $20 \%$ | $10 \%$ |
| Q | Rs. 360 | $22.50 \%$ | $25 \%$ |
| R | Rs. 300 | $16 \%$ | $5 \%$ |
| S | Rs. 450 | $28 \%$ | $16 \%$ |

41. If the successive discounts offered on marked price of product S at shop A are 20\% and 20\%, then find the marked price of product S at shop A.
A. Rs. 600
B. Rs. 720
C. Rs. 840
D. Rs. 900
E. None of these
42.What is the difference between the selling prices of product Q at shops A and B ?
A. Rs. 2.5
B. Rs. 9
C. Rs. 36
D. Rs. 90
E. None of these
43.If the marked prices of product $P$ at shop $B$ and product $R$ at shop $A$ are Rs. 528 and Rs. 435 respectively, find the difference between the discount offered (in Rs.) on product $P$ at shop $B$ and product R at shop A .
A. Rs. 87
B. Rs. 147
C. Rs. 157
D. Rs. 177
E. None of these
42. Profit earned on another product T at shop A is Rs. 78 more than the profit earned on product $S$ at shop B. If the cost price of product $T$ is $25 \%$ more than the cost price of product $P$, find the profit percent of product T at shop A.
A. $12.5 \%$
B. $25 \%$
C. $37.5 \%$
D. $50 \%$
E. None of these
45.What is the approximate average selling price of all the given 4 products at shop A?
A. Rs. 380
B. Rs. 340
C. Rs. 410
D. Rs. 440
E. Rs. 450

Direction: Each question below is followed by two statements I and II. You have to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose the best possible answer. 46. What is the initial quantity of water in mixture?
Statement I: In a container, water and milk are mixed in the ratio 4 : 7. After mixing another 4 litres of pure milk, the total quantity of mixture becomes 136 litres.
Statement II: The percentagedistribution of water becomes twice of its initial value when 48 litres of water-milk mixture is replaced by water.
A. If the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
B. If the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
C. If both statements I and II together are needed to answer the question.
D. If either the statements I alone or statement II alone is sufficient to answer the question.
E. If statements I and II together are NOT sufficient to answer the question asked, and additional data is needed to answer the question
47.What is the speed of boat in still water?
Statement I: The time taken by the boat to travel a certain distance upstream, is the same as time taken to travel a different distance downstream by the same boat. Time taken in both the cases is 4 hours.
Statement II: Upstream distance travelled is half of the distance travelled downstream.
A. If the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
B. If the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
C. If both statements I and II together are needed to answer the question.
D. If either the statements I alone or statement II alone is sufficient to answer the question.
E. If you cannot get the answer from the statements I and II together but need even more data.
48.In how much time will pipe A alone fill the tank?
Statement I: Time taken by pipes $B$ and $C$ together to fill the tank is 4 hours while time taken by pipes A, $B$ and $C$ together to fill the tank is 3 hours.
Statement II: Time taken by pipes A and C together to fill the tank is $\frac{60}{17}$ hours and time taken by pipes A
and $B$ together to fill the tank is $\frac{15}{2}$ hours.
A. If statement I alone is sufficient to answer the question, but statement II alone is not sufficient. B. If statement II alone is sufficient to answer the question, but statement I alone is not sufficient.
C. If both statements I and II together are needed to answer the question.
D. If either statement I alone or statement II alone is sufficient to answer the question.
E. If statements I and II together are NOT sufficient to answer the question asked, and additional data is needed to answer the question
49.In how many days all three (A, $\mathrm{B}, \mathrm{C}$ ) together can complete the same work?
Statement I: A has twice the efficiency of $B$ while $C$ has thrice the efficiency of B
Statement II: A and B together can complete the $\frac{3}{5}^{\text {th }}$ of the work in 60 days while if C works at half his actual efficiency, he can complete the entire work in 200 days.
A. If the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
B. If the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
C. If both statements I and II together are needed to answer the question.
D. If either the statements I alone or statement II alone is sufficient to answer the question.
E. If you cannot get the answer from the statements I and II together but need even more data.
50.What is the profit earned by the shopkeeper?
Statement I: The selling price is 1.5 times the cost price.

Statement II: The discount offered is Rs. 200 which is $10 \%$ of Marked Price.
A. If the statement $I$ alone is sufficient to answer the question, but the statement II alone is not sufficient.
B. If the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
C. If both statements I and II together are needed to answer the question.
D. If either the statements I alone or statement II alone is sufficient to answer the question.
E. If you cannot get the answer from the statements I and II together but need even more data.
51.Rohan and Mohan together can do a piece of work in 17 days. They both started working and after 7 days Rohan left the work and then Mohan completed rest of the work in 15 more days. If for this job they
got a total of Rs. 5100, then find Mohan's share.
A. Rs. 1700
B. Rs. 700
C. Rs. 4400
D. Rs. 4700
E. Rs. 2700
52.Ramesh invested his savings in Malamal Bank for 2 years at the rate of $10 \%$ per annum compound interest, which compounded annually. After 2 years Ramesh withdrew his money and was heading towards his home but on his way to home Rajesh borrowed 20\% of the money from Ramesh. If Ramesh was left with Rs. 11132, then find how much money was initially invested by Ramesh.
A. Rs. 11000
B. Rs. 12500
C. Rs. 10500
D. Rs. 11500
E. Rs. 13200
53.Six years ago, age of Raman and Aman were in the ratio 5 : 8 respectively. Nine years hence, (from now) age of Aman and Raman will be in the ratio $13: 10$, then find the present age of Raman.
A. 15 years
B. 24 years
C. 21 years
D. 27 years
E. 36 years
54.Kajal and Badal together started a business with a total of Rs. $2,40,000$. Out of the total profit $20 \%$ will be given to Kajal and rest of the profit will be distributed among Kajal and Badal in the ratio of their investments. If at the end of the year total profit was Rs. 30,000 and Kajal got Rs. 4,000 more than Badal, then find the ratio of investments of Kajal and Badal.
A. $13: 11$
B. $1: 1$
C. $7: 17$
D. $11: 13$
E. 17: 7
55.A shopkeeper while purchasing 1 kg rice gets $8 \frac{1}{3} \%$ more than the indicated weight. And he marks up the price of the rice by $33 \frac{1}{3} \%$ and sells it at a discount of $10 \%$ on the marked price, then find his overall profit percentage.
A. 20\%
B. $25.6 \%$
C. $34 \%$
D. $17 \%$
E. $30 \%$

Direction: Study the information carefully and answer the questions that follow.
The graph given below shows the annual income and the expenses of Ram across 4 years 2002-2005.

56. The monthly savings of Ram for the year 2004 is how much less than his monthly savings for the year 2005?
A. Rs. 7766.66
B. Rs. 8333.33
C. Rs. 9000
D. Rs. 9666.66
E. Rs. 10333.33
57. What is the ratio of the yearly savings of Ram in the year 2002 and monthly income of Ram in the year 2003?
A. $2: 3$
B. $7: 2$
C. $2: 7$
D. $8: 1$
E. None of these
58.If Ram invests his yearly savings of 2002 at the end of year at compound interest of $10 \%$ per annum in a bank, what would be the amount in his bank account at the end of year 2005 if he also invested savings of other years in this bank account but get interest only at the sum invested at the end of year 2002?

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A. Rs. 1134400
B. Rs. 1232400
C. Rs. 1252400
D. Rs. 1532400
E. None of these
59.If the income of Ram increased by $25 \%$ from 2005 to 2006 and the expenses increased by $20 \%$ from 2005 to 2006, the savings of Ram in the year 2006 is how much percentage more than the yearly savings of the year 2003?
A. 100\%
B. $75 \%$
C. $50 \%$
D. $25 \%$
E. None of these
60.If in every subsequent year till 2009(2006-2009), the savings are decreased by $10 \%$, then what is the average yearly savings for years 2002 to 2009?
A. Rs. 226700
B. Rs. 175800
C. Rs. 286700
D. Rs. 325600
E. Rs. 253510
61.Two friends $A$ and $B$ together can do a piece of work in 14 days. A started the work and after 2 days, $B$ joined him and they both worked for 2 more days. After which C joined them whose efficiency was twice of that of B while B left the work on the same day. If the work was completed in 8 more days, then find in how much time $C$ alone will finish the same work?
A. 21 days
B. 28 days
C. 14 days
D. 42 days
E. 15 days
62.Present age of Virat and Rahul are in the ratio 5 : 8. If after 10 years ratio of age of Rahul and Virat will be $10: 7$, then find the age of Rahul 15 years from now.
A. 40 years
B. 45 years
C. 35 years
D. 55 years
E. 50 years
63.A person covered a total distance of 420 km . One-third of the total distance was covered by bike and the rest was covered by train. He travelled by train for 3 hours more than that by bike. If ratio of the speeds of bike and train is $4: 5$, then for how much time he travelled by bike?
A. 4 hours
B. 6 hours
C. 5 hours
D. 8 hours
E. 3 hours
64.A drum contains mixture of alcohol and water in the ratio $5: 7$. In this mixture pure alcohol was added until the ratio of the mixture was reversed. If the final quantity of the mixture is 168 litres, then find how much water should be added to the initial mixture to get a mixture of water and alcohol in the ratio 3 : 2 respectively.
A. 4 litres
B. 5 litres
C. 6 litres
D. 3 litres
E. 10 litres
65.A shopkeeper is selling pens in packets and each packet contains 5 pens. He sells a packet at the cost price of 8 pens. Also, the shopkeeper has 2 offers.
Offer 1: 1 packet of pen extra if a customer buys 4 packets.
Offer 2: Discount of $35 \%$ on buying 5 packets.
If difference between the profit made by the shopkeeper from offer 1 and offer 2 on selling 5 packets is Rs. 48/per pen, then find the cost price of 1 pen.
A. Rs. 150
B. Rs. 200
C. Rs. 240
D. Rs. 180
E. Rs. 160

Direction: Study the given information carefully and answer the questions that follow:
A certain number of aspirants appeared in two banking examination $Q$ and $R$ which had three stages(elimination) of process viz Prelims, Mains, GD-PI for the selection of the post of Assistant in the year 2019 . Detailed process of the two banking exams follows:
Examination Q: A total of 1500000 aspirants appeared for the prelims. Out of which $10 \%$ qualified for mains. It is known that " X " aspirants qualified for GD-PI of which 78\% didn't get the final offer. A total of 1000 aspirants joined the bank by accepting the final offer while others rejected the offer.

Examination R: The number of aspirants that appeared for the prelims of the exam is equal to the sum of the aspirants that didn't qualify for mains in Exam Q and $33.33 \%$ of those that appeared for mains in Exam Q. 20\% of aspirants qualified for mains out of those who appeared in prelims. 15000 more aspirants qualified for GD-PI of Exam R than Exam Q. 10\% less aspirants received the final offer than in Examination Q. 300 less aspirants rejected the final offer than those in examination Q.
Note: It is known that each aspirant appeared for exactly one exam.
66. In 2019, if the number of aspirants who qualified for mains of Examination $R$ is 250000 more than the number of people who qualified for GD-PI of Examination Q, what is the ratio of number of aspirants that joined the bank after appearing for Examination R and those that didn't join the bank after getting the final offer for Examination Q?
A. $2: 285$
B. $1: 140$
C. $1: 185$
D. $2: 375$
E. $1: 120$
67.In 2019, if the number of aspirants who qualified for mains of Examination R is 250000 more than the number of people who qualified for GD-PI of Examination Q, what is the number of aspirants that didn't
get the final offer after appearing for the GD-PI of Examination R?
A. 24060
B. 23400
C. 27640
D. 39060
E. None of these
68.In 2019, if the sum of the number of aspirants who got the final offer in both the exams Q and $R$ is 8360, what is the difference between those who qualified for GD-PI of Exam R and the aspirants who didn't get the job offer but qualified for GD-PI of Exam Q?
A. 13400
B. 15600
C. 19400
D. 23800
E. None of these
69.In the year 2020, the number of aspirants that didn't qualify for mains of Exam Q is $25 \%$ more than aspirants those who qualified for mains of Exam R in 2019 and the number of aspirants that qualified for GD-PI of Exam R in 2019 is 2\% of number of aspirants that didn't qualify for mains of Exam Q in 2020, what is the number of aspirants who didn't join the bank after taking Exam Q out of those who got the final offer in 2019?
A. 2860
B. 2450
C. 1680
D. 1340
E. None of these
70.In the year 2020, the number of aspirants who didn't qualify for mains of Exam Q is $25 \%$ more than aspirants who didn't qualify for mains of Exam R in 2019 and the number of aspirants who qualified for GD-PI of Exam R in 2019 is 2\% of number of aspirants who didn't qualify for mains of Exam Q in 2020. The number of aspirants who didn't join the bank out of those who got the final offer in exam R in 2019 is approximately what percentage of those that qualified for mains in exam Q in 2019?
A. $1.12 \%$
B. $1.44 \%$
C. $1.82 \%$
D. $2.34 \%$
E. $3.56 \%$

Direction: What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)
71. $1330.48^{(1 / 3)}-6+16.98^{2}-$ $1444.23^{(1 / 2)}=?^{2} \times 3.97$
A. 16
B. 12
C. 8
D. 4
E. 2
72. $\frac{\sqrt{782}+\sqrt[3]{2196.78}-59.86 \div 3}{\sqrt{8.95 \times 3-35.99 \div \frac{3}{2}}}=$ ?
A. $\frac{7}{2}$
B. $\frac{7 \sqrt{3}}{4}$
C. $\frac{7 \sqrt{3}}{2}$
D. 7
E. $7 \sqrt{3}$
$73.9 .92^{\frac{5}{2}} \div 10.02^{-\frac{1}{2}}-?^{3}=30.14 \times$
8.92
A. 9
B. -5
C. -6
D. 8
E. 10
$74.84 .02 \times 4 \frac{3}{7}-83.94=(? \sqrt{2})^{2}$
A. 6
B. 8
C. 9
D. 12
E. 15
$75.567 .45+446.82=2^{?}-?$
A. 12
B. 11
C. 10
D. 9
E. 8
76.Distance between Delhi and Mumbai is 480 km . A train runs from Delhi to Mumbai. If on a particular day the train started 1 hour 30 minutes late then the usual time then the train will have to increase its speed by $33 \frac{1}{3} \%$ to reach Mumbai on its usual time. Find the actual speed of train.
A. $80 \mathrm{~m} / \mathrm{s}$
B. $\frac{140}{9} \mathrm{~m} / \mathrm{s}$
C. $\frac{200}{9} \mathrm{~m} / \mathrm{s}$
D. $\frac{115}{2} \mathrm{~m} / \mathrm{s}$
E. $40 \mathrm{~m} / \mathrm{s}$
77.Students of Delhi Public School went to the zoo and some of them were 10 years or younger and the rest were older than 10 years. The entry fee of the zoo was Rs 70 for visitors whose age is 10 years or younger and Rs 120 for visitors over 10 years of age. All of them spent Rs 3210 as entry fee, then what was the ratio of the number of students over 10 years of age to the number of students aged 10 years or less? (Assume the total number of students was more than30 but less than 35.)
A. $12: 17$
B. $3: 5$
C. $5: 6$
D. 4 : 9
E. $6: 5$
78.A shopkeeper sold two articles for a total of Rs. 3770, one at a profit of $10 \%$ and other at a loss of $10 \%$. If the shopkeeper made an overall profit of Rs. 70, then find the cost price of the article which was sold at a profit of $10 \%$.
A. Rs. 2300
B. Rs. 2400
C. Rs. 2200
D. Rs. 1500
E. Rs. 1400
79.Rohan borrowed Rs. 24,000 from a bank for two years on which interest was compounded annually. Instead of this if he would have borrowed the same amount from his friend Mohan on simple interest for two years then he would have saved

Rs. 540 then find the rate of interest. (Assume that both the rate of interests are equal)
A. $10 \%$
B. $12 \%$
C. $16 \%$
D. $15 \%$
E. 20\%
80.Two solutions of alcohol, solution

A and solution B yield a solution with effective concentration $32 \%$ when mixed in the ration 1: 4 and a solution with effective concentration $68 \%$ when mixed in the ratio $4: 1$. What is the ratio of the concentration of solution $A$ to solution B ?
A. $3: 1$
B. $2: 1$
C. $4: 1$
D. $2: 3$
E. $3: 2$

Direction: Read the following information carefully and answer the following questions.
A certain number of people are sitting in a linear row. All of them are facing towards North direction. The information about some of them is given. B sits fourth to the left of M. L sits adjacent to B. Two people sit between $B$ and $A$ who sits at the extreme end. Four people sit between $P$ and L. Three people sit between $P$ and $T$. $R$ sits third to the left of $P$. $N$ sits adjacent to R. Number of people sit to the left of B is half of the number of people sit to the right of T .
81. How many people sit to the left of $N$ ?
A. Eight
B. Five
C. Three
D. None
E. One
82. How many people sit in the row?
A. Nineteen
B. Sixteen
C. Fifteen
D. Twenty-three
E. Twenty
83.Who amongst the following sits fifth to the left of the person who sit exactly between $B$ and $M$ ?
A. L
B. A
C. N
D. T
E. None of these
84. How many people sit between T and R?
A. Six
B. Seven
C. Three
D. One
E. None
85. Who amongst the following sits exactly between B and T?
A. L
B. N
C. M
D. R
E. None of these

Direction: Read the following information carefully and answer the following questions.
Six boxes A, B, C, D, E, and F are placed in a stack, but not necessarily in the same order. The lowermost box is numbered 1, box above that is 2 and so on till the topmost box is numbered 6. Each one of them belong to different countries viz. India, Poland, Germany, Japan, China and Norway but not necessarily in the same order.
Box B kept just below to the box which belongs to Japan. Box B kept at even numbered position. Two boxes kept between Box B and Box D which belongs to Poland. Box F kept just above Box D. The box which belongs to India kept at odd numbered position. Two boxes kept between the box which belongs to India and Box C. Number of boxes kept below Box C is two more than number of boxes kept above Box A . Box F and C does not belong to China. The box belongs to Norway kept above the box belongs to China.
86. How many Boxes kept above Box C?
A. Three
B. One
C. Four
D. None
E. Five
87. Which amongst the following boxes belongs to Germany?
A. $F$
B. B
C. C
D. A
E. None of these
88. Which box is kept just above the box which belongs to China?
A. C
B. E
C. F
D. D
E. None of these
89.Box C belongs to which of the following country?
A. Japan
B. China
C. Germany
D. Norway
E. None of these
90.Which of the following statement is/are true?
I. Box $B$ belongs to china
II. Box A kept at even numbered position
III. Box D kept at lowermost position
A. Only II
B. Both II and III
C. Both I and III
D. Only III
E. All I, II and III
91.The set of alphabets below follows a particular pattern. Which option does not follow the pattern?
A. IQKNM
B. PLRJT
C. WFYCA
D. FAHDJ
E. None of these
92.If it is possible to make a meaningful word from the $2^{\text {nd }}, 4^{\text {th }}$, $7^{\text {th }}$ and $9^{\text {th }}$ letters of the word ECAPICYTO then, which will be the first letter of that word? Mark 'N' if no such word can be formed and ' M ' if more than one such word can be formed.
A. O
B. P
C. C
D. M
E. N
93. How many such pairs of letters are there in the word SACROSANCT each of which has as many letters between them as in the English alphabet in both forward and backward directions?
A. One
B. Two
C. Four
D. More than Four
E. None of these

Direction: Study the following information and answer the given question
Six people $A, B, C, D, E$, and $F$ have a different weight. Only three persons are there between $E$ and $F$,
who is either the heaviest or the lightest among all. C, whose weight is the multiple of 13 and 5 . Neither $D$ nor $A$ is the heaviest or the lightest among all. A is lighter than $C$ but heavier than $B$, whose weight is 33 . Difference between the weight of $A$ and $D$ is 5 , which is the difference between the weight of $D$ and $B$. Total weight of $C$ and $F$ is 86. E's weight is 58 Kg .
94. $f$ the weight of $G$ and $F$ is 103 kg than what is difference between the weights of $G$ and $C$ ?
A. 13
B. 14
C. 15
D. 16
E. 17
95.Who is the heaviest?
A. F
B. A
C. D
D. C
E. None of these
96.Who is the fourth heaviest?
A. D
B. E
C. A
D. B
E. None of these

Direction: Study the following information and answer the given question.
Eight people A, B, C, D, E, F, G, and H are seated around a circular table such that they are equidistant to each other and some of them are
facing inside while others face outside the table.
Number of persons facing inside and outside is odd and number of persons facing outside is larger than the number of persons facing inside the table. C sits second to the left of A who faces inside the table. G sits second to the left of $F$ and faces opposite direction of B.
D is not adjacent to C. B faces A. F sits third to the right of C . E sits second to the left of H , who faces outside the table. C and F face opposite directions. C does not face D.
97. How many people are facing outside the table?
A. 3
B. 1
C. 5
D. 7
E. None of the above
98.Who among the following sits opposite of $E$ ?
A. F
B. H
C. D
D. G
E. None of the above
99.How many persons are seated between A and F when counted clockwise counted from A?
A. 3
B. 2
C. 5
D. 4
E. 0
100.In which position is H seated with respect to B ?
A. immediate right
B. $2^{\text {nd }}$ to the left
C. $4^{\text {th }}$ to the right
D. immediate left
E. $3^{\text {rd }}$ to the right
101.Four of the following are alike in a certain way and thus forms a group. Find the one that does not belong to that group.
A. C
B. D
C. E
D. G
E. F

Direction: Study the following information carefully and answer the questions below:
8 People P, Q, R, S, T, U, V, and W are standing in such a way that $R$ is 9 m West of $\mathrm{Q}, \mathrm{Q}$ is 20 m South with respect to $P$. $P$ is 25 m towards West with respect to T . S is 35 m towards South with respect to $\mathrm{T} . \mathrm{U}$ is 4 m apart from V towards North. W is 18 m towards East wrt to V . U is 28 m towards West wrt S.
102. In which direction is T standing with respect to U?
A. North-West
B. North
C. North-East
D. Cannot be determined
E. None of these
103.If one more person $Y$ is standing towards South-West with respect to $S$, then in which direction is W standing with respect to Y ?
A. South-West
B. North-East
C. North-West
D. Cannot be determined
E. None of these

Direction: Study the following information carefully and answer the questions below:
In a certain Code language
"Country famous ideal group" is coded as "mn ts wo jb"
"Group movement point summit" is coded as "jb xk ya qd"
"Ideal group movement actual" is coded as "wo jb xk ut"
"Point famous actual affection" is coded as "ya ts ut df"
104. What is the code for the word "Famous Movement"?
A. $m n x k$
B. mn qd
C. ts qd
D. ts $x k$
E. None of These
105.If " Actual Planning " is coded as "ut pf" then what could be the possible code for "Planning spirit"?
A. pf qd
B. ut ts
C. ut mn
D. pf it
E. None of these
106. What is the code for the word "Summit"?
A. qd
B. wo
C. jb
D. xk
E. df
107. What could be the possible code for "Group Desire"?
A. jb wo
B. jb xk
C. ut df
D. jb Iw
E. ts jb
108. What is the code for the word " Ideal"?
A. jb
B. wo
C. ts
D. $m n$
E. ut

Direction: Study the following information carefully and answer the questions below:
There are nine family members in a family- A, B, C, D, E, P, Q, R and S distributed along with three generations. $A$ is the grandmother of S.D is the mother of R.P is the son-in-law of B. C is the husband of $\mathrm{E} . \mathrm{Q}$ is the sister of S . D has a brother, a niece and a nephew . Only Couples have children.
109. How is $R$ related to $S^{\prime} s$ grandfather?
A. Daughter
B. Son
C. Grand son
D. Grand daughter
E. Cannot be determined
110.How is D's husband related to E's daughter?
A. Brother-in-law
B. Cousin
C. Uncle
D. Father-in-law
E. Cannot be determined
111. How is Q's father related to B's son-in-law?
A. Brother
B. Brother-in-law
C. Cousin
D. Nephew
E. None of these

Direction: Study the given information carefully and answer the questions below.
Eight people A, B, C, D, E, F, G and $H$ were born in different months, viz. January, February, April, June, July, September, October, and November. In which month was H born?
112. Statement I: D was born in a month having 30 days before the month September. B was born in a month having neither 30 nor 31 days. G was born immediately after H, who was born in a month after July.
Statement II: C was born immediately before D. A was born in a month that has the same number of days that the month in which H was born has. E was born in July.
A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.
B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.
C. The data in statement I or statement II is sufficient to answer the question.
D. The data in statement I and II together are not sufficient to answer the question.
E. The data in statement I and II together are necessary sufficient to answer the question.
113.Eight people K, L, M, N, O, P, Q and $R$ standing in a row facing to the North, but not necessarily in the same order. Q stands immediate left of $L$. An even number of people stands to the right of L. How many people are standing between K and R?
Statement I: Three people stand between K and Q. M stands immediate left of $\mathrm{O} . \mathrm{N}$ is not adjacent to L .
Statement II: M stands immediate left of O , who is not adjacent to K or R.
A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.

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B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.
C. The data in statement I or statement II is sufficient to answer the question.
D. The data in statement I and II together are not sufficient to answer the question.
E. The data in statement I and II together are necessary sufficient to answer the question.
114.Ten people are seated in two parallel rows containing equal number of people in each such that people seated in each row are equidistant to each other and people seated in row-1 face people seated in row-2. A, B, C, D, and E are seated in row-1 facing to the North while P, Q, R, S and T are seated in row-2 facing to the South. Who sits opposite of T?
Statement I: Two people sit between Q and T , who does not sit at an extreme end of the row. A, who sits at an extreme end of the row, sits second to the right of E , who sits opposite of $P$. R sits diagonally opposite of C , who is not adjacent to B .
Statement II: P sits second to the left of Q , who sits opposite of C . Four people sit to the left right of C . E sits in the middle of the row. B sits opposite of $T$, who is not adjacent to Q. T does not sit at the extreme end of the row.
A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.
B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.
C. The data in statement I or statement II is sufficient to answer the question.
D. The data in statement I and II together are not sufficient to answer the question.
E. The data in statement I and II together are necessary sufficient to answer the question.
115.What is the code for "red blank"?
Statement I: In an artificial language, "pocket red blank" is coded as "kt bl dr"; "red word small" is coded as "dr os la"; "pocket blank brown" is coded as "kt wn bl".
Statement II: In an artificial language, "blank fill point" is coded as "bl nt If"; "point brown fill" is coded as "nt wn lo"; "red point doll" is coded as "dr lo nt", "doll red brown" is coded as "lo wn dr".
A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.
B. The data in statement II alone is sufficient to answer the question while the data in statement I alone
is not sufficient to answer the question.
C. The data in statement I or statement II is sufficient to answer the question.
D. The data in statement I and II together are not sufficient to answer the question.
E. The data in statement I and II together are necessary sufficient to answer the question.

Direction: Study the following information and answer the following questions.

Eight people are seated in two parallel rows containing an equal number of people in each such that people seated in each row are equidistant to each other and people seated in row-1 face people seated in row-2. A, B, C, and D are seated in row-1 facing to the South while P, Q, R, and S are seated in row-2 facing to the North. B sits immediate right of $D$, who sits opposite of P. A and C are adjacent to each other. Q sits opposite of C . $S$ is adjacent to $P$. $R$ is not adjacent to Q.
116. Who among the following sits opposite of $R$ ?
A. B
B. A
C. C
D. D
E. None of the above
117.How many people are seated between B and the one who sits opposite of $S$ ?
A. 2
B. 0
C. 1
D. Either A or B
E. None of the above
118.Four of the five are alike in a certain way and thus forms a group. Find the one that does not belong to that group.
A. B
B. $R$
C. C
D. Q
E. A
119.Q sits $\qquad$ to the of the one who sits at the left end of the row-1?
A. $3^{\text {rd }}$, right
B. $2^{\text {nd }}$, left
C. $1^{\text {st }}$, right
D. $2^{\text {nd }}$, right
E. $1^{\text {st }}, ~ l e f t$
120.Who among the following is/are immediate neighbour/s of the person who sits opposite of the one who is immediate left of $S$ ?
A. B
B. A
C. C
D. Both $A$ and $B$
E. Both A and C
121.What is the theme of Budget 2020-2021?
A. Economic development
B. Caring Society
C. Aspirational India
D. All of the above
E. None of the above
122.The Civil Service Day is celebrated every year on which date?
A. 10 March
B. 18 May
C. 15 February
D. 21 April
E. 26 March
123.The minimum amount of investment required to issue a certificate of deposit is $\qquad$ .
A. 50,000 Rs.
B. 1 lakh Rs.
C. 1.5 lakh Rs.
D. 3 lakh Rs.
E. 5 lakh Rs.
124. Who has been appointed as the next Managing Director(MD) and Chief Executive Officer(CEO) of HDFC Bank for a period of 3 years?
A. Sashidhar Jagdishan
B. Varun Sridhar
C. Naveen Tahilyani
D. Partha Pratim Sengupta
E. PC Kandpal
125.Who has authored the book titled "Pandemonium: The Great Indian Banking Tragedy"?
A. Chakravarthi Rangarajan
B. Raghuram Rajan
C. Urjit Patel
D. Tamal Bandyopadhyay
E. Shaktikanta Das
126.Renowned personality
Tripunithura Narayanaiyer Krishnan (T N Krishnan) passed away, he was a veteran $\qquad$ .
A. Violinist
B. Guitarist
C. Piano Maestro
D. Harmonium player
E. Flutist
127. Which bank has entered into a partnership with FMCG major Hindustan Unilever to offer corporate solutions to its trade partners.
A. Punjab National Bank
B. Bank of Baroda
C. State Bank of India
D. Bank of India
E. Union Bank of India
128.Which countries foreign Sovereign Wealth Fund (SWF) has become the first foreign SWF that has been granted 100\% income-tax exemption on income from interest, dividend and long-term capital gains for its investment in India's priority sector as per the Finance Act, 2020?
A. Kuwait Investment Authority (KIA)
B. Abu Dhabi's Sovereign Wealth Fund (SWF)
C. Investment Corporation of Dubai (ICD)
D. Qatar Investment Authority (QIA)
E. National Development Fund of Islamic Republic of Iran (NDFI)
129.What is the theme of Vigilance Awareness Week 2020?
A. Integrity- A way of life
B. Vigilant India - Prosperous India
C. Eradicate Corruption - Build a New India
D. My Vision - Corruption Free India
E. No Corruption - More Development
130.The Malabar naval exercise involve India, USA and
A. France
B. U K
C. Australia
D. Japan
131.Kanha Tiger Reserve is situated in Mandla district of $\qquad$ .
A. Rajasthan
B. Madhya Pradesh
C. Maharashtra
D. Uttar Pradesh
E. Chattisgarh
132. Which Tiger Reserve has been included in the 'World Network of Biosphere Reserves' list of the UNESCO?
A. Bandipur Tiger Reserve
B. Panna Tiger Reserve
C. Kali Tiger Reserve.
D. Nagarhole Tiger Reserve
E. Bhadra Tiger Reserve
133. What is the profit of State Bank of India in the 2nd Quarter of the current FY ?
A. Rs 2594 Crore B. Rs 3774 Crore
C. Rs 4574 Crore D. Rs 5525 Crore
E. Rs 7584 Crore
134.Duarte Pacheco has been elected as the new President of Inter-Parliamentary Union, from which country?
A. Spain
B. Portugal
C. France
D. Italy
E. Cyprus
135. Which SAARC Country and the name of its Central Bank is not correctly matched?
A. Pakistan -State Bank of Pakistan
B. Bhutan - Central Bank of Bhutan
C. Nepal - Nepal Rashtra Bank
D. Afghanistan - DA Afghanistan Bank
E. Sri Lanka - Central Bank of Sri Lanka
136.On October 22, 2020, The Reserve Bank of India (RBI) has released a notification revising norms of $\qquad$ .
A. Changes in the regulatory framework for Housing Finance Companies (HFCs)
B. Changes in the regulatory framework for Payments Banks
C. Changes in the regulatory framework for Small Finance Banks
D. Changes in the regulatory framework for NDFCs
E. Changes in the regulatory framework for Cooperative Banks
137.What is the number of seats in the US Senate, the upper house of the US Parliament?
A. 100
B. 125
C. 150
D. 200
E. 250
138.For what purpose FM Nirmala Sitharaman launched e-Bikray auction platform?
A. To boost infrastructure investment in the country
B. To achieve higher export credit disbursement
C. To export more agricultural products
D. Enable online auction of attached assets by banks.
E. To simplify Intellectual Property Rights (IPRs)
139.James Bond actor Sean Connery passed away recently at 90 years, he was from which country?
A. Ireland
B. Scotland
C. England
D. France
E. Belgium
140.Kia motors is a company from which country?
A. South Korea
B. Japan
C. Germany
D. France
E. Italy
141.What is a permissible amount of gold that can be held by entities such as trusts and universities, under the Sovereign Gold Bond Scheme (SGB)?
A. 15 Kg
B. 8 Kg
C. 4 Kg
D. 20 Kg
E. 10 Kg
142. Machu Picchu, the ancient city high in the Andes mountains, has reopened after nearly eight months of closure due to the coronavirus pandemic, located in which country?
A. Brazil
B. Peru
C. Columbia
D. Mexico
E. Argentina
143.There are two interoperable QR Codes mandated by the Reserve Bank of India one is UPI and QR Code and the other is $\qquad$ .
A. UPI QR Code
B. Bharat QR Code
C. NPCI QR Code
D. Bhim QR Code
E. Noe of these
144.Which aircraft carrier has been dismantled recently?
A. INS Virat
B. INS Vikrant
C. INS Kalvari
D. INS Samrat
E. INS Sindhurakshak
145. What is the full form of DLT?
A. Dividend Legal Tools
B. Distribution Leverage Technology
C. Distributed Ledger Technology
D. Direct Liable Taxes
E. None of these
146.As per the Reserve Bank of India (RBI), the SBICap will float special purpose vehicle (SPVs) for/to $\qquad$ .
A. NBFC debt purchase
B. achieve higher export credit disbursement
C. export more agricultural products
D. enable online auction of attached assets by banks.
E. simplify Intellectual Property Rights (IPRs)
147.Lewis Hamilton is Formula one driver of which company?
A. Mercedes
B. Ferrari
C. BWT Racing
D. Renault F1
E. Red Bull Racing
148. Who appoints Solicitor general of India?
A. Vice President of India
B. President of India
C. Attorney General of India
D. Prime Minister of India
E. Chief Justice of India
149.Who acquire 100\% stake in Columbia Asia Hospitals Private Limited for over Rs 2000 crore?
A. Manipal Hospitals
B. Apollo group
C. Medanta Group
D. Care Hospitals.
E. Command Hospital
150. Which firm built the Interceptor Boat 'ICGS C-454' that was launched into the service of the Coast Guard?
A. Cochin Ship yard
B. Larsen and Toubro
C. DRDO
D. Bharat Heavy Electricals Ltd
E. Bharat Electronics Limited
151.India Coast Guard ship C-452, indigenously designed and built by
$\qquad$ .
A. Goa Shipyard Limited
B. Mazagon Dock Limited
C. Cochin Shipyard Limited
D. Hindustan Shipyard Limited
E. Larsen \& Toubro Limited
152. Which is not a foreign bank among the options?
A. IDFC First
B. Sonali Bank Ltd
C. AB Bank
D. Standard Chartered bank E. HSBC
153.What is Nominal Capital?
A. Debt Capital
B. Equity Capital
C. Working Capital
D. Authorized capital
E. None of these
154.Where is the Headquarters of CSIR-Institute of Genomics and Integrative Biology located?
A. Pune
B. New Delhi
C. Bengaluru
D. Chandigarh
E. Kolkata
155.India Post Payments Bank is has been registered as scheduled bank under which schedule of RBI Act, 1934?
A. First
B. Second
C. Third
D. Fourth
E. None of these
156. RBI released a draft framework for self-regulatory organizations, for which of the following?
A. Payment Systems Operators (PSOs)
B. Non Banking Finance Companies
C. Housing Finance Companies
D. Regional Rural Banks
E. None of these
157.SEBI enhanced the penalty of Rs 1 crore against 3 rating agencies ICRA, CARE and India Ratings \& Research for their lapses in giving credit rating to non- convertible debentures to which company?
A. Infrastructure Leasing \& Financial Services
B. India Infrastructure Finance Company Ltd (IIFCL)
C. IDFC Limited
D. Larsen \& Toubro Limited
E. None of these
158.Cabinet approves Rs 1810 crore Investment Proposal for 210 MW Luhri Stage-I Hydro Power Project is located in which state?
A. Uttarkhand
B. Himachal Pradesh
C. Rajasthan
D. Assam
E. Sikkim
159. What is the GST compensation cess Budget Estimate in FY 202021?
A. 98,327 crore
B. $1,30,500$ crore
C. $1,45,500$ crore
D. $1,67,500$ crore
E. 1,87,500 crore
160.The National Pollution Control Day is observed every year on which date?
A. $1^{\text {st }}$ December
B. $2^{\text {nd }}$ December
C. $3^{\text {rd }}$ December
D. $4^{\text {th }}$ December
E. $5^{\text {th }}$ December
161. $\qquad$ is the process of dividing the disk into tracks and sectors.
A. tracking
B. formatting
C. crashing
D. allotting
E. none of these
162. Which shortcut key is used to spell check in MS-Word?
A. F1
B. F2
C. F7
D. F9
E. None of these
163. Which shortcut key is used to copy selected item?
A. $\mathrm{Ctrl}+\mathrm{A}$
B. $\mathrm{Ctrl}+\mathrm{B}$
C. $\mathrm{Ctrl}+\mathrm{N}$
D. $\mathrm{Ctrl}+\mathrm{C}$
164.The protocol used for sending an email is $\qquad$ .
A. HTTP
B. FTP
C. POP-3
D. SMTP
165. Which of the protocol is used for the distributed, collaborative and hypermedia information system?
A. Wireless application protocol
B. Hypertext transfer protocol
C. File transfer protocol
D. Transmission control protocol
E. None of these
166.HTTP is $\qquad$ protocol.
A. application layer
B. transport layer
C. network layer
D. Link layer
E. None of these
167.Convert decimal number 101 to binary.
A. 1100101
B. 1100111
C. 1101001
D. 1101011
168. $\qquad$ is responsible for overall control and co-ordination of instruction execution.
A. CPU
B. ALU
C. RAM
D. Control Unit
E. None of these
169.The most advanced form of ROM is $\qquad$ .
A. PROM
B. RAM
C. EEPROM
D. Cache Memory
E. None of these
170.Communication circuits that transmit data in both directions but not at the same time are operating in $\qquad$ .
A. Simplex mode
B. half-duplex mode
C. full-duplex mode
D. asynchronous mode
E. None of these
171. Which of the following is a function of the control unit?
A. Read instructions
B. Execute instructions
C. Interpret instructions
D. Direct operations
E. None of these
172.A set of step-by-step procedures for accomplishing a task is known as $a(n)$ $\qquad$ .
A. algorithm
B. hardware program
C. software bug
D. firmware program
E. None of these
173.During the boot process, the
$\qquad$ looks for the system
files.
A. CD
B. BIOS
C. CPU
D. DVD
E. None of these
174.Manipulating data to create information is known as $\qquad$ _.
A. Feedback
B. Programming
C. Processing
D. Analysis
E. None of the above
175. $\qquad$ is a set of computer programs that runs or controls computer hardware and acts as an interface with application programs and users.
A. Object code
B. A compiler
C. An operating system
D. The CPU
E. None of these
176.Indexes created from a sequential set of primary keys are referred to as $\qquad$ .
A. Indexed file organization
B. Sequential file
C. Index sequential
D. All of the above
E. None of these
177. Which of the following will be used if a sender of e-mail wants to bold, italics etc the text message?
A. Reach Signature
B. Rich Text
C. Reach Format
D. Plain Format
E. Plain Text
178. The main system board of a computer is called the $\qquad$ .
A. integrated circuit
B. Motherboard
C. Processor
D. Microchip
E. drive board
179.The process that deals with the technical and management issues of software development is $\qquad$ .
A. Delivery process
B. Control process
C. Software process
D. Testing process
E. Monitoring process
180.How many margins are there on a page?
A. Two (header and footer)
B. Four (top, bottom, right, left)
C. Two landscape and portrait
D. Two (top and bottom)
E. None of these

181.OCR stand for $\qquad$ .
A. Optical Coding Recognizer
B. Ostensibly Characterized Reader
C. Original Code Reader
D. Original Character Reader
E. Optical Character Recognition
182. $\qquad$ are specially designed computers that perform complex calculations extremely rapidly.
A. Servers
B. Supercomputers
C. Laptops
D. Mainframes
E. None of these
183.The secret code that gives you access to some programs ?
A. clue
B. cue
C. password
D. help
E. None of these
184. $\qquad$ testing is done to assure that software will not fail.
A. Quality assurance test
B. Interface test
C. Integration test
D. Volume test
E. None of these

## 185.A cookie is

$\qquad$ .
A. stores information about the user's web activity
B. stores software developed by the user
C. stores the password of the user
D. stores the command used by the user
$E$. None of these
186. The purpose of the primary key in a database is to $\qquad$ -.
A. unlock the database
B. a relationship between two tables
C. uniquely identify a record
D. establish constraints on database operations.
E. None of these
187.Access control based on a person's fingerprints is an example of $\qquad$ .
A. biometric identification
B. characteristic identification
C. characteristic security
D. fingerprint security
E. logistics
188.The $\qquad$ component is used by the data analyst to create queries that access the database.
A. data store
B. query and reporting
C. ETL tools
D. data visualisation
E. None of these
189. What is the full form of GUI ?
A. Geometrical Ultra Inputs
B. Graph under influence
C. Graphical User Interface
D. Graphical User Interaction
E. None of these
190.The amount of time required by a storage device to retrieve data and programs is its $\qquad$ .
A. retrieval speed
B. capacity
C. memory
D. storage
E. access speed
191.What is the term for unsolicited mail?
A. User Mail
B. Backbone
C. Spoof
D. Trash mail
E. Spam
192.Any data or instruction entered into the memory of a computer are considered $\qquad$ .
A. storage
B. output
C. input
D. information
$E$. None of these
193.One security method is encryption. But encryption does nothing to keep digital pests and hackers out. To accomplish this goal, we need
A. Router
B. Bridges
C. Hubs
D. Anti-Virus
E. Firewalls
194.Toolbars contain small outlined areas called $\qquad$ that provide shortcuts for quick access to commonly used commands.
A. buttons
B. dials
C. bullets
D. pointers
E. None of these
195. $\qquad$ key is the example of Toggle key.
A. Alt
B. Shift
C. Control
D. Escape
E. Caps Lock
196. Which of the following is not a computer programming language?
A. Windows
B. PASCAL
C. BASIC
D. COBOL
E. None of these
197.The code for a Web page is written using $\qquad$ .
A. A fifth generation language
B. Win Zip
C. Peripherals
D. Hypertext Markup Language
E. None of these
198.A register that keeps track of the next instruction to be executed is called $\mathrm{a} / \mathrm{an}$ $\qquad$ .
A. Data Register
B. Instruction Register
C. Action Register
D. Program Counter
E. Accumulator
199.To connect networks of similar protocols $\qquad$ are used.
A. Routers
B. Bridges
C. Gateways
D. Dial-up routers
E. None of these
200.The advantage of a LAN is
$\qquad$ -
A. Sharing peripherals
B. Backing up your data
C. Saving all your data
D. Accessing the Web
E. Automatic printing of data


1. Ans. B.

The corruption at local level can be mitigated by improving monitoring and enforcement from higher levels of government and implementing low-cost, local-level monitoring and enforcement mechanisms. Hence, option B is the correct answer.
2. Ans. A.

Only statement II is true as per the passage. The remaining statements can be corrected as follows:

- The PDS distributes food grains and other goods through over 450,000 fair price shops.
- BPL status is determined by local elected employees.
Hence, option A is the correct answer.

3. Ans. C.

The statement 'leakage in the system is persistently high' implies that the food grains do not reach the intended people. Rather they are sold by the shopkeepers at a higher rate.
It can be inferred from the sentence 'Recent estimates for 2007-2008 place the fraction of grain diverted by shopkeepers and others to the black market at an astounding 43.9\% across India, which is actually an improvement over previous years'.
Hence, option C is the correct answer.
4. Ans. B.

The meanings of the words are:
Astounding: surprisingly impressive or notable.
Enforcement: the act of compelling observance of or compliance with a law, rule, or obligation.
Persistence: the fact of continuing in an opinion or course of action in spite of difficulty or opposition.
Perseverance: persistence in doing something despite difficulty or delay in achieving success.
Amazing: causing great surprise or wonder; astonishing.
Imposition: the action or process of imposing something or of being imposed.
Hence, option B is the correct answer.
5. Ans. C.

Out of all the given options, option C is false. It can be corrected as follows:
The PDS is India's largest response to the persistence of malnutrition 6. Ans. A.

As per the findings of the study, one of the implications is that if the number of people entitled to the PDS goods is increased, then a larger number of people will monitor the shopkeeper and punish illegitimate activities.
Hence, Statement I is the cause and statement II is the effect, making option A the correct answer.

## 7. Ans. B.

The meanings of the words are:
Illegitimate: not authorized by the law; not in accordance with accepted standards or rules.
Illegal: contrary to or forbidden by law, especially criminal law.
Licit: not forbidden; lawful.
Outlawed: made illegal; banned.
Felonious: relating to or involved in crime.
Clandestine: kept secret or done secretively, especially because illicit.
Hence, option B is the correct answer.
8. Ans. E.

The meanings of the given tones are:
Caustic: sarcastic in a scathing and bitter way.
Assertive: having or showing a confident and forceful personality. Deprecatory:
expressing
disapproval; disapproving.
Condescending: having or showing an attitude of patronizing superiority.
Informative: providing useful or interesting information.
Since the passage provides information about the role of informal networks in public service delivery, the tone of the passage is informative.
Hence, option C is the correct answer.
9. Ans. A.

The sentence implies that the effects of global climate change can be noticed on the environment.
'Discernible' meaning 'able to be discerned; perceptible' is the apt fit for the blank. Hence, option A is the correct answer.
The meanings of the other words are:

- Imminent: about to happen.
- Discreet: careful and prudent in one's speech or actions, especially in order to keep something confidential or to avoid embarrassment.
- Sly: having or showing a cunning and deceitful nature.
- Treacherous: guilty of or involving betrayal or deception. 10. Ans. C.

The sentence enlists the effects of global climate change on the environment. Trees can produce flowers. As a result of global climate change, trees have started producing flowers soon. 'Flowering' meaning 'producing flowers at a specified time or of a specified type' is the apt fit for the blank. Hence, option C is the correct answer.
The meanings of the other words are:

- Duplicitous: deceitful.
- Heinous: (of a person or wrongful act, especially a crime) utterly odious or wicked.
- Flagrant: (of an action considered wrong or immoral) conspicuously or obviously offensive.
- Vivacious: attractively lively and animated (typically used of a woman).

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## 11. Ans. B.

'Had' is always followed by a past participle of the verb which can be either regular or irregular in form. Hence, the blank must be filled in with the past participle form of 'predict' i.e. 'predicted'.
Therefore, option B is the correct answer.

## 12. Ans. E.

The sentence enlists the effects that the scientists had predicted. The sea levels have risen faster than it was supposed to be. 'Accelerated' meaning 'Moving or progressing faster than is usual' is the apt fit for the blank. Hence, option $\mathbf{E}$ is the correct answer.
The meanings of the other words are:

- Mischievous: causing or showing a fondness for causing trouble in a playful way.
- Anxious: feeling or showing worry, nervousness, or unease about something with an uncertain outcome.
- Specific: clearly defined or identified.
- Mounted: riding an animal, typically a horse, especially for military or other duty.

13. Ans. D.

A prediction for the next century by IPCC is provided in the sentence. 'Forecasts' meaning 'predicts or estimates (a future event or trend)' is apt fit for the blank. Hence, option $\mathbf{D}$ is the correct answer. The meanings of the other words are:

- Despair: loses or be without hope. - Recall: bring (a fact, event, or situation) back into one's mind; remember.
- Dread: anticipate with great apprehension or fear.
- Surrender: stop resisting to an enemy or opponent and submit to their authority.

14. Ans. A.

The sentence implies that the degree to which the climate change will have effect on the individual will depend on how the environment and people adapt to the change. 'Societal' meaning 'relating to society or social relations' is the apt fit for the blank. Hence, option A is the correct answer.
The meanings of the other words are:

- Medical: relating to the science or practice of medicine.
- Forlorn: pitifully sad and abandoned or lonely.
- Pitiful: deserving or arousing pity. - Nugatory: of no value or importance.
Hence, option A is the correct answer.

15. Ans. B.

We use infinitive after 'to'. Hence, the blank must be filled in with 'mitigate'. 'Mitigate' is also in parallel with 'adapt'. Hence, option B is the correct answer. 16. Ans. E.

The blank must contain the word that is opposite to 'harmful'. 'Beneficial' meaning 'resulting in good; favourable or advantageous'

is the apt fit for the blank. Hence, option E is the correct answer.
The meanings of the other words are:

- Ominous: giving the worrying impression that something bad is going to happen; threateningly inauspicious.
- Infelicitous: unfortunate; inappropriate.
- Lackadaisical: lacking enthusiasm and determination; carelessly lazy.
- Inert: lacking the ability or strength to move.

17. Ans. A.

Emblematic: Symbolic
Of the given options, only 'emblematic' fits the blank appropriately to make a contextually and grammatically correct statement. All the other options are unfit since they either fail to complement the tense of the statement, or are contextually irrelevant.
Thus, option A is the correct answer.
18. Ans. E.

Cheered: Promote good spirit
Of the given options, only 'cheered' fits the blank appropriately to make a contextually and grammatically correct statement. All the other options are unfit since they either fail to complement the tense of the statement, or are contextually irrelevant.
Thus, option E is the correct answer. 19. Ans. D.

Hopelessly (adverb): Without expectation

Of the given options, only 'hopelessly' fits the blank appropriately to make a contextually and grammatically correct statement. All the other options are unfit since they either fail to complement the tense of the statement, or are contextually irrelevant.
Thus, option D is the correct answer.
20. Ans. B.

Dwindled: Decreased, shrunk, or reduced in size greatly
Of the given options, only 'dwindles' fits the blank appropriately to make a contextually and grammatically correct statement. This is because, since the band has already lost its fan following, the verb to fill the blank will be in the past tense to denote an event that has come before the disappearance of the fan base. All the other options are unfit since they either fail to complement the tense of the statement, or are contextually irrelevant.
Thus, option B is the correct answer.
21. Ans. A.

Of the given options, only 'despite' fits the blank appropriately to make a contextually and grammatically correct statement. Since the two parts of the sentence are denoting a contrast between doing something and feeling unwell, the conjunction 'despite' fits best to point it out. All the other options are unfit since they are contextually irrelevant.

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Thus, option A is the correct answer.
22. Ans. E.

Part A ends with a decision 'to ground'. Since we are talking about aviation here, the most likely candidate to be grounded is an aircraft. Part E starts with 'all Boeing 737 Max aircraft' which can be grounded. So, A goes with E .
When jets crash, their safety is put 'under question'. But column II doesn't have any options starting with 'question' as part $B$ ends with 'under'. So, B is pair less.
Aeroplanes such as the 737 MAX are operated by airline companies like the Ethiopian Airlines. So, C \& F make a pair.
Hence, the correct answer is E .
23. Ans. A.

An iconic campaign, leaving a strong impact in the minds of the viewers is a logical statement. So, logically B pairs up with E.
A doesn't have a pair because it ends with 'to', which needs the verb following it to be in its base form. But none of the options in column II start with a verb in its base form.
The only option without A and B-E has pair is option $A$. Hence, the correct answer is A.
24. Ans. C.

Part A ends with 'back to the', which means the next part will contain a specific point in history. Both part D \& F point towards two events in history, but A requires that time period to act as the object of the
sentence. E uses its event as the subject. So, A \& F go together.
Suffragette is defined in part C and continued in D. Thus, C and D form a pair.
E refers to something as 'such a radical thought' which is not present in B. So, they don't form a pair. Hence, the correct answer is C.
25. Ans. D.
'So', at the end of part A, refers that we would draw a conclusion from the fact that 'our bones become brittle as we grow old'. But no such options are present in column II. So, A doesn't have a pair.
Part C says 'your immune' which means the next word is 'system' as there are only two words related to immune and can belong to us immunity \& immune system. Since, no such option is available in column II, C is pairless.
B can go with either E or F. Hence the correct answer is D .
26. Ans. E.

In the given question A connects with D and B connects with E to make meaningful and grammatically correct sentences. D completes the idea given in A, that before starting to work for an employer his/her shortcomings must be discovered. F tells that architectures or algorithms follow a specific pattern. B and E if joined makes a contextually correct sentence but there is an error in sentence E which will make the sentence grammatically incorrect. The usage of 'has' in the starting of

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[^0]the sentence makes sentence $E$ incorrect. The subject in sentence $B$ "levels" is plural. Thus "has" must be replaced with "have" to make the sentence grammatically correct.
Hence, option E is the correct option.
27. Ans. D.

Words placed at 1 and 4 needs to be exchanged.
Heralded: Announced
Commenced: Began
It is customary for Royals to be heralded before arrival. Similarly, a court commences, or begins, once the presider arrives. Thus, 'heralded' and 'commenced' needs to be exchanged to make the sentence contextually and grammatically correct.
Thus, option D is the correct answer.
28. Ans. B.

Words placed at 1 and 2 needs to be exchanged
Hankering: Craving
Given the context of the sentence, the syntax should be the verb preceding the noun, with a preposition qualifying their relation. Thus, 'hankering' will precede 'chocolates' to make the sentence grammatically correct.
Thus, option $B$ is the correct answer.
29. Ans. A.

Words placed at 1 and 4 needs to be exchanged.
A pronoun being followed immediately by a noun doesn't make contextual sense. Similarly,
'hounded' is a verb, and does not denote a place someone can take a trip to. To make contextual sense, the two words need to be exchanged.
Thus, option $A$ is the correct answer.
30. Ans. C.

Words placed at 1 and 3 needs to be exchanged.
The noun 'soldiers' needs an adjective to be qualified. Similarly, the noun 'flag' needs a verb to qualify its purpose. This needs the words placed at 1 and 3 to be exchanged so that the sentence can become contextually and grammatically correct.
Thus, option $C$ is the correct answer.
31. Ans. E.

The sentence is grammatically and contextually correct, and cannot be improved further.
Thus, option E is the correct answer. 32. Ans. E.

Statement D provides the paragraph with a subject of discussion, a 15-year old scientist and inventor being named Time magazine's first `kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and $B$. But since statement $A$ has the

word 'also' in it, something else, in this case, statement $B$, must have come before in the arrangement. Thus, the correct order would be statement B, followed by statement A. Statement $E$ outlines her objective, and should thus be fourth in the sequence. Of the remaining statements, the fifth should outline the selection process, while the sixth speaks about the final award ceremony. Thus, the order will be statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement E will be the fourth statement.
Thus, option E is the correct answer. 33. Ans. B.

Statement D provides the paragraph with a subject of discussion, a 15-year old scientist and inventor being named Time magazine's first 'kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and B. But since statement $A$ has the word 'also' in it, something else, in this case, statement B, must have come before in the arrangement. Thus, the correct order would be
statement B, followed by statement A. Statement $E$ outlines her objective, and should thus be fourth in the sequence. Of the remaining statements, the fifth should outline the selection process, while the sixth speaks about the final award ceremony. Thus, the order will be statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement $D$ will be the first statement.
Thus, option $B$ is the correct answer.
34. Ans. D.

Statement D provides the paragraph with a subject of discussion, a 15-year old scientist and inventor being named Time magazine's first 'kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and B. But since statement $A$ has the word 'also' in it, something else, in this case, statement B, must have come before in the arrangement. Thus, the correct order would be statement B, followed by statement A. Statement E outlines her objective, and should thus be fourth
in the sequence. Of the remaining statements, the fifth should outline the selection process, while the sixth speaks about the final award ceremony. Thus, the order will be statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement A will be the third statement.
Thus, option D is the correct answer.
35. Ans. C.

Statement D provides the paragraph with a subject of discussion, a 15-year old scientist and inventor being named Time magazine's first 'kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and B. But since statement A has the word 'also' in it, something else, in this case, statement $B$, must have come before in the arrangement. Thus, the correct order would be statement B, followed by statement A. Statement $E$ outlines her objective, and should thus be fourth in the sequence. Of the remaining statements, the fifth should outline the selection process, while the
sixth speaks about the final award ceremony. Thus, the order will be statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement B will be the second statement.
Thus, option $C$ is the correct answer.
36. Ans. B.

Statement D provides the paragraph with a subject of discussion, a 15-year old scientist and inventor being named Time magazine's first 'kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and B. But since statement A has the word 'also' in it, something else, in this case, statement $B$, must have come before in the arrangement. Thus, the correct order would be statement B, followed by statement A. Statement E outlines her objective, and should thus be fourth in the sequence. Of the remaining statements, the fifth should outline the selection process, while the sixth speaks about the final award ceremony. Thus, the order will be


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statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement F will be the last statement.
Thus, option B is the correct answer.
37. Ans. A.

Statement D provides the paragraph with a subject of discussion, a 15 -year old scientist and inventor being named Time magazine's first 'kid of the year'. Thus, it needs to be the first statement of the paragraph. Since Statement D provides the information that the 15 year old is receiving an accolade, 'kid of the year', the following sentences should outline the achievements that entitle her to the accolade. This has been done by statements $A$ and B. But since statement $A$ has the word 'also' in it, something else, in this case, statement B, must have come before in the arrangement. Thus, the correct order would be statement B, followed by statement A. Statement E outlines her objective, and should thus be fourth in the sequence. Of the remaining statements, the fifth should outline the selection process, while the sixth speaks about the final award ceremony. Thus, the order will be statement C, followed by statement F.

Thus, the passage, after rearrangement, will be in the order DBAECF.
From the rearrangement it is clear that statement $C$ will be the fifth statement.
Thus, option A is the correct answer.
38. Ans. D.

The idiom 'head over heels' means 'madly in love'. It should be replaced with 'dry run' meaning 'a rehearsal of a performance or procedure before the real one' to form a contextually correct sentence.
Hence, option D is the correct answer.
39. Ans. A.
'Loose cannons' mean 'an unpredictable or uncontrolled person who is liable to cause unintentional damage'. The emboldened phrase should be replaced with 'know the ropes' meaning 'have experience of the appropriate procedures' to form a contextually correct sentence.
Hence, option A is the correct answer.
40. Ans. B.

The idiom 'over the top' means 'to an excessive or exaggerated degree'. It should be replaced with 'off the hook' meaning 'no longer in difficulty or trouble' to form a contextually correct sentence.
Hence, option B is the correct answer.

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41. Ans. D.

Let the marked price of product $S$ at shop $A=$ Rs. 100a, then
$100 \mathrm{a} \times\left(1-\frac{20}{100}\right)\left(1-\frac{20}{100}\right)=450$
$\times\left(1+\frac{28}{100}\right)$
$\Rightarrow 64 a=576$
$\Rightarrow a=9$
Hence, the marked price of product
$S$ at shop $A=100 a=100 \times 9=$ Rs. 900
42. Ans. B.

Required difference $=360 \times$ $\left(\frac{25}{100}-\frac{22.5}{100}\right)=360 \times \frac{2.5}{100}=$ Rs. 9
43. Ans. D.

Selling price of product $P$ at shop $B$
$=240 \times\left(1+\frac{10}{100}\right)=$ Rs. 264
Selling price of product $R$ at shop $A$
$=300 \times\left(1+\frac{16}{100}\right)=$ Rs. 348
Discount offered $=$ Marked Price Selling Price
Discount offered on product $P$ at shop $B=528-264=$ Rs. 264
Discount offered on product $R$ at shop $A=435-348=$ Rs. 87
Hence, the required difference $=$ $264-87$ = Rs. 177.
44. Ans. D.

Profit on product $T$ at shop $A=78$
$+16 \%$ of $450=78+72=$ Rs. 150
Cost price of product $T=240+$
$25 \%$ of $240=240+60=$ Rs. 300
Hence, the required percentage $=$ $\frac{150}{30} \times 100=50 \%$
45. Ans. C.

Selling price of product $P$ at shop $A$ $=240 \times\left(1+\frac{20}{100}\right)=$ Rs. 288

Selling price of product Q at shop A $=360 \times\left(1+\frac{22.5}{100}\right)=$ Rs. 441
Selling price of product $R$ at shop $A$
$=300 \times\left(1+\frac{16}{100}\right)=$ Rs. 348
Selling price of product $S$ at shop $A$
$=450 \times\left(1+\frac{28}{100}\right)=$ Rs. 576
Required average selling price = $\frac{288+441+348+576}{4} \approx$ Rs. 410
46. Ans. D.

## Statement I:

Let initial quantity of water be $4 x$ Litres and initial quantity of milk $=$ $7 x$ Litres
So, $4 \mathrm{x}+7 \mathrm{x}+4=136$
$\Rightarrow x=12$
Initial quantity of milk $=7 \times 12=$ 84 Litres
Initial quantity of water $=4 \times 12=$ 48 Litres
Hence, statement I alone is sufficient to answer the question.

## Statement II:

For percentage-distribution to become double, same quantity as given in the question to be replaced, needs to be present initially.
Initial quantity of water $=48 \mathrm{~L}$
Hence, statement II alone is sufficient to answer the question.
Hence, the answer is option D.
47. Ans. E.

## Statement I:

Let speed of the boat in still water and speed of the stream be $x$ and $y$ $\mathrm{km} / \mathrm{hr}$ respectively
And let the upstream and downstream distance travelled be $\mathrm{d}_{1}$ and $\mathrm{d}_{2} \mathrm{~km}$ respectively.

So, $\frac{d_{1}}{x-y}=\frac{d_{2}}{x+y}=4$
$\mathrm{d}_{1}=4(x-y) \ldots(1)$
$d_{2}=4(x+y) \ldots(2)$
And, $d_{1}(x+y)=d_{2}(x-y) \ldots(3)$
Hence, statement $I$ alone is not sufficient to answer the question.

## Statement II:

$2 d_{1}=d_{2} \ldots$ (4)
No further information can be derived. So, statement II alone is not sufficient to answer the question.
From statement I and II together:
Putting value of eq. (4) in eq. (3), we get
$d_{1}(x+y)=2 d_{1}(x-y)$
$\Rightarrow x+y=2(x-y)$
$\Rightarrow x=3 y \ldots$ (5)
Putting value of eq. (5) in eq. (1) and (2), we get
$d_{1}=8 y$ and $d_{2}=16 y$.
Statement I and II together are not sufficient to answer the question.
Hence, the answer is option $E$.
48. Ans. A.

Let time taken by pipes $A, B$ and $C$ alone is $a, b$ and $c$ hours, respectively.

## Statement I:

$\frac{1}{b}+\frac{1}{c}=\frac{1}{4}$ $\qquad$
$\frac{1}{a}+\frac{1}{b}+\frac{1}{c}=\frac{1}{3}$ $\qquad$
Equation (2) - (1)
$\frac{1}{a}=\frac{1}{3}-\frac{1}{4}=\frac{1}{12}$
$\Rightarrow a=12$ hours
Statement I alone is sufficient to answer the question.

## Statement II:

$\frac{1}{a}+\frac{1}{c}=\frac{17}{60}$
$\frac{1}{a}+\frac{1}{b}=\frac{2}{15}$
Equation (1) - (2)
$\frac{1}{c}-\frac{1}{b}=\frac{3}{20}$
Statement II alone is not sufficient to answer the question.
Hence, the answer is option A.
49. Ans. B.

Let time taken by $A, B$ and $C$ to complete the work alone be $A, B$ and $C$ days.

## Statement I:

$A=2 B$
$C=3 B$
No further information can be derived. Hence, statement I alone is not sufficient to answer the question.

## Statement II:

$\frac{1}{A}+\frac{1}{B}=\frac{3}{60 \times 5}=\frac{1}{100}$
$\frac{1}{2 C}=\frac{1}{200}$
$\Rightarrow C=100$
$\frac{1}{A}+\frac{1}{B}+\frac{1}{C}=\frac{1}{100}+\frac{1}{100}=\frac{1}{50}$
$A, B$ and $C$ can complete the work in 50 days.
Hence, statement II alone is sufficient to answer the question.
Hence, the answer is option B.
50. Ans. C.

Let the discount, cost price, selling price and marked price be Rs. d, $x$, y and $z$ respectively.

## Statement I:

$y=1.5 x$
No further information can be derived. Hence, statement I alone is not sufficient to answer the question.

## Statement II:

d $=200$
$10 \%$ of $z=200$
$\Rightarrow z=2000$
$y=2000-200=1800$
No further information can be derived. Hence, statement II alone is not sufficient to answer the question.
Statement I and II together:
$y=1800$
And $y=1.5 x=1800$
$\Rightarrow x=$ Rs. 1200
Hence, statement I and II together are needed to answer the question. Hence, the answer is option C.
51. Ans. C.

Let Rohan can do " $r$ " units of work per day and let Mohan can do "m" units of work per day, then
Total work $=17 \mathrm{r}+17 \mathrm{~m}$
According to the question
After working for 7 days Rohan left the work and Mohan completed rest of the work in 15 more days
So, Mohan worked for a total of (15 $+7=22$ days)
Total work $=7 \mathrm{r}+22 \mathrm{~m}$
From equations (i) and (ii), we get
$17 r+17 m=7 r+22 m$
$\Rightarrow 10 r=5 \mathrm{~m}$
$\Rightarrow 2 \mathrm{r}=\mathrm{m}$

Hence, Mohan's share $=\frac{22 \mathrm{~m}}{(22 \mathrm{~m}+7 \mathrm{r})} \times$
$5100=\frac{44}{(44+7)} \times 5100=$ Rs. 4400
52. Ans. D.

Let amount of money invested by Ramesh = Rs. P
Interest $=10 \%$ p.a. and time $=2$ years
Amount after 2 years $=P \times\left(1+\frac{10}{100}\right.$ $)^{2}=$ Rs. 1.21P
Rajesh took 20\% of this money
So, Ramesh would have been left with $80 \%$ of the money and this leftover money is equal to Rs. 11132
i.e. $80 \%$ of $1.21 \mathrm{P}=11132$
$\Rightarrow \mathrm{P}=\frac{11132 \times 100}{80 \times 1.21}=$ Rs. 11500
53. Ans. C.

Let six years ago,
Age of Raman be 5 k years and Age of Aman $=8 \mathrm{k}$ years
9 years from now,
Age of Aman : Raman = $13: 10$
$\frac{5 k+15}{8 k+15}=\frac{10}{13}$
$\Rightarrow 65 \mathrm{k}+195=80 \mathrm{k}+150$
$\Rightarrow 15 \mathrm{k}=45$
$\Rightarrow \mathrm{k}=3$
So, Present age of Raman $=5 k+6$ $=21$ years
54. Ans. D.

Total Profit at the end of the year = Rs. 30000
Kajal's share in total profit $=4000$
$+\frac{30000-4000}{2}=$ Rs. 17000

Badal's share in total profit $=30000$

- 17000 = Rs. 13000
$20 \%$ of $30000=$ Rs. 6000
So, ratio of Kajal's and Badal's investments $=(17000-6000)$ : $13000=11000: 13000=11: 13$.

55. Ans. E.

Let cost price of 100 gm rice $=$ Rs.
100 and shopkeeper bought 900 gm rice
Cost price = Rs. 900
Shopkeeper gets $8 \frac{1}{3} \%$ more than
the indicated weight
So, he gets $900+8 \frac{1}{3} \%$ of $900=900$
$+75=975 \mathrm{gm}$ rice
Marked Price $=975+33 \frac{1}{3} \%$ of 975
$=975+325=$ Rs. 1300
Discount $=10 \%$ of $1300=130$
Selling price $=1300-130=$ Rs. 1170
So, final profit of shopkeeper $=$ $\frac{1170-900}{900} \times 100=30 \%$.
56. Ans. B.

Yearly savings of Ram for the year $2004=650000-450000=$ Rs. 200000
Yearly savings of Ram for the year $2005=800000-500000=$ Rs. 300000
Required answer $=\frac{300000-200000}{12}=$ Rs. 8333.33
Hence, the answer is option B.
57. Ans. D.

Yearly savings of Ram for the year $2002=700000-300000=$ Rs. 400000

Monthly income of Ram in the year $2003=\frac{600000}{12}=$ Rs. 50000
Required ratio $=400000: 50000=$ 8: 1
Hence, the answer is option D.
58. Ans. B.

Yearly savings of Ram for the year $2002=700000-300000=$ Rs. 400000
Amount after 3 years from the savings of year $2002=400000 \times$ $(1.1)^{3}=$ Rs. 532400
Yearly savings of Ram for the year $2003=600000-400000=$ Rs. 200000
Yearly savings of Ram for the year $2004=650000-450000=$ Rs. 200000
Yearly savings of Ram for the year $2005=800000-500000=$ Rs. 300000
Required amount $=532400+$ $200000+200000+300000=$ Rs. 1232400
Hence, the answer is option B.
59. Ans. A.

Yearly savings of Ram for the year $2006=800000 \times 1.25-500000 \times$ 1.2 = Rs. 400000

Yearly savings of Ram for the year $2003=600000-400000=$ Rs. 200000
Required percentage = $\frac{400000-200000}{200000} \times 100=100 \%$ Hence, the answer is option A. 60. Ans. E.

Yearly savings of Ram for the year $2002=700000-300000=$ Rs. 400000

Yearly savings of Ram for the year $2003=600000-400000=$ Rs. 200000
Yearly savings of Ram for the year $2004=650000-450000=$ Rs. 200000
Yearly savings of Ram for the year $2005=800000-500000=$ Rs. 300000
Yearly savings of Ram for the year $2006=300000 \times 0.9=$ Rs. 270000 Yearly savings of Ram for the year $2007=270000 \times 0.9=$ Rs. 243000 Yearly savings of Ram for the year $2008=243000 \times 0.9=$ Rs. 218700 Yearly savings of Ram for the year $2009=218700 \times 0.9=$ Rs. 196380

## Required Average $=$

$400000+200000+200000+300000+270000+243000+218700+196380$
= Rs. 253510
61. Ans. A.

Let A's efficiency = a units/day and B's efficiency $=b$ units/day, then C's efficiency $=2 \mathrm{~b}$ units/day Total work $=14 a+14 b$
But, according to the question A worked for 12 days ( 2 days working alone +2 days with $B+8$ days with C), B worked for 2 days, and C worked for 8 days
So, total work $=12 \mathrm{a}+2 \mathrm{~b}+8 \times 2 \mathrm{~b}$ $=12 a+18 b$ $\qquad$ (ii)

From equations (i) and (ii), we get $14 a+14 b=12 a+18 b$
$\Rightarrow 2 \mathrm{a}=4 \mathrm{~b}$
$\Rightarrow \mathrm{a}=2 \mathrm{~b}$
Required no. of days $=\frac{14 a+14 b}{2 b}=$ $\frac{28 \mathrm{~b}+14 \mathrm{~b}}{2 \mathrm{~b}}=21$ days.
62. Ans. D.

Let present age of Virat $=5 k$ years, then
Present age of Rahul $=8 \mathrm{k}$ years
10 years hence, Virat's age $=(5 k+$
10) years and Rahul's age $=(8 \mathrm{k}+$
10) years

So, according to the question
$\Rightarrow \frac{5 \mathrm{k}+10}{8 \mathrm{k}+10}=\frac{7}{10}$
$\Rightarrow 50 \mathrm{k}+100=56 \mathrm{k}+70$
On solving we get, $k=5$
The age of Rahul 15 years from now $=(8 \mathrm{k}+15)=8 \times 5+15=55$ years.
63. Ans. C.

Let speed of the bike be $4 \mathrm{kkm} / \mathrm{hr}$ and speed of the train be $5 \mathrm{kkm} / \mathrm{hr}$.
Distance travelled on bike $=\frac{1}{3} \times 420$
$=140 \mathrm{~km}$
So, distance travelled in train $=420$

- $140=280 \mathrm{~km}$

According to question
$\frac{280}{5 \mathrm{k}}=\frac{140}{4 \mathrm{k}}+3$
$\Rightarrow 56=35+3 k$
$\Rightarrow \mathrm{k}=\frac{56-35}{3}=7$
Hence, the required time $=\frac{140}{4 \mathrm{k}}=$ $\frac{140}{28}=5$ hours
64. Ans. B.

Amount of alcohol in final mixture $=$ $\frac{7}{(7+5)} \times 168=98$ litres
Amount of water in final mixture $=$ $168-98=70$ litres
Amount of water in initial mixture $=$ 70 litres (Only alcohol was added. So, quantity of water should have remained unchanged)

Amount of Alcohol in initial mixture $=\frac{5}{7} \times 70=50$ litres
Let amount of water added $=x$ litres According to question
$\frac{(70+x)}{3}=\frac{50}{2}$
$\Rightarrow x=75-70=5$
Thus, the amount of water added $=$ $x=5$ litres.
Hence, option B is correct
65. Ans. B.

Let cost price of 1 pen $=$ Rs. 5 x , then
Marked price of 1 pen $=\frac{5 x}{5} \times 8=$ Rs. 8 x
Shopkeeper sold 5 packets of pen i.e. $5 \times 5=25$ in each case

Cost price in each case $=25 \times 5 \mathrm{x}=$ Rs. 125 x
Offer 1: Customer gets a total of 5 packets at the selling price of 4 packets
So, Selling price $=4 \times(5 \times 8 x)=$ Rs. 160 x
Offer 2: Customer gets discount of 35\%
Selling price $=(25 \times 8 \mathrm{x})\left(1-\frac{35}{100}\right)=$ Rs. 130x
According to the question:
$160 x-130 x=48 \times 25$
$\Rightarrow x=\frac{1200}{30}=40$
Hence the cost price of 1 pen $=5 x$ $=5 \times 40=$ Rs. 200.
66. Ans. B.

Examination Q:
Number of aspirants appeared for prelims $=1500000$

Number of aspirants qualified for mains $=1500000 \times 0.1=150000$ Number of aspirants who didn't qualify for mains $=1500000$ $150000=1350000$
Number of aspirants qualified for GD-PI $=X$
Number of aspirants who got the final offer $=0.22 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.78 \mathrm{X}$
Number of aspirants who joined the bank $=1000$
Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-1000$
Examination R:
Number of aspirants appeared for prelims $=1350000+150000 \times$ $0.3333=1400000$
Number of aspirants qualified for mains $=1400000 \times 0.2=280000$
Number of aspirants who didn't qualify for mains $=1400000$ $280000=1120000$
Number of aspirants qualified for GD-PI $=X+15000$
Number of aspirants who got the final offer $=0.22 \mathrm{X} \times 0.9=0.198 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.802 \mathrm{X}+15000$
Number of aspirants who didn't join
the bank $=0.22 \mathrm{X}-700$
Number of aspirants who joined the bank $=700-0.022 \mathrm{X}$

Number of aspirants qualified for mains of Examination $\mathrm{R}=$ Number of aspirants qualified for GD-PI of Examination Q + 250000

Thus number of aspirants qualified for GD-PI of Examination $\mathrm{Q}=$ $280000-250000=30000=X$
Required Ratio $=700-0.022 X$ :
0.22X - 1000
= 700-660: 6600-1000
= 40: 5600 = 1: 140
Hence, the answer is option B.
67. Ans. D.

Examination Q:
Number of aspirants appeared for prelims $=1500000$
Number of aspirants qualified for mains $=1500000 \times 0.1=150000$ Number of aspirants who didn't qualify for mains $=1500000$ $150000=1350000$
Number of aspirants qualified for GD-PI $=\mathrm{X}$
Number of aspirants who got the final offer $=0.22 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.78 \mathrm{X}$
Number of aspirants who joined the bank $=1000$
Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-1000$
Examination R:
Number of aspirants appeared for prelims $=1350000+150000 \times$ $0.3333=1400000$
Number of aspirants qualified for mains $=1400000 \times 0.2=280000$
Number of aspirants who didn't qualify for mains $=1400000$ $280000=1120000$
Number of aspirants qualified for GD-PI =X +15000
Number of aspirants who got the
final offer $=0.22 \mathrm{X} \times 0.9=0.198 \mathrm{X}$

Number of aspirants who didn't get the final offer $=0.802 \mathrm{X}+15000$ Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-700$
Number of aspirants who joined the bank $=700-0.022 \mathrm{X}$

Number of aspirants qualified for mains of Examination $\mathrm{R}=$ Number of aspirants qualified for GD-PI of Examination Q + 250000
Number of aspirants qualified for GD-PI of Examination Q = 280000 $250000=30000=X$
Required answer $=0.802 \mathrm{X}+15000$ $=0.802 \times 30000+15000=39060$ Hence, the answer is option D.
68. Ans. C.

## Examination Q:

Number of aspirants appeared for prelims $=1500000$
Number of aspirants qualified for mains $=1500000 \times 0.1=150000$
Number of aspirants who didn't qualify for mains $=1500000$ $150000=1350000$
Number of aspirants qualified for GD-PI = X
Number of aspirants who got the final offer $=0.22 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.78 \mathrm{X}$
Number of aspirants who joined the bank $=1000$
Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-1000$
Examination R:
Number of aspirants appeared for prelims $=1350000+150000 \times$ $0.3333=1400000$

Number of aspirants qualified for mains $=1400000 \times 0.2=280000$ Number of aspirants who didn't qualify for mains $=1400000$ $280000=1120000$
Number of aspirants qualified for GD-PI $=X+15000$
Number of aspirants who got the final offer $=0.22 \mathrm{X} \times 0.9=0.198 \mathrm{X}$ Number of aspirants who didn't get the final offer $=0.802 \mathrm{X}+15000$ Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-700$
Number of aspirants who joined the bank = 700-0.022X

Sum of the number of aspirants who got the final offer in both the exams Q and $\mathrm{R}=0.22 \mathrm{X}+0.198 \mathrm{X}=$ 0.418X

According to question,
$0.418 \mathrm{X}=8360$
$\Rightarrow X=20000$
Required difference $=X+15000-$
$0.78 \mathrm{X}=0.22 \mathrm{X}+15000$
$=0.22 \times 20000+15000=19400$
Hence, the answer is option C.
69. Ans. E.

Examination Q:
Number of aspirants appeared for prelims = 1500000
Number of aspirants qualified for mains $=1500000 \times 0.1=150000$
Number of aspirants who didn't qualify for mains $=1500000$ $150000=1350000$
Number of aspirants qualified for GD-PI $=X$
Number of aspirants who got the final offer $=0.22 \mathrm{X}$

Number of aspirants who didn't get the final offer $=0.78 \mathrm{X}$
Number of aspirants who joined the bank = 1000
Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-1000$
Examination R:
Number of aspirants appeared for prelims $=1350000+150000 \times$ $0.3333=1400000$
Number of aspirants qualified for mains $=1400000 \times 0.2=280000$
Number of aspirants who didn't qualify for mains $=1400000$ $280000=1120000$
Number of aspirants qualified for GD-PI $=X+15000$
Number of aspirants who got the final offer $=0.22 \mathrm{X} \times 0.9=0.198 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.802 \mathrm{X}+15000$ Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-700$
Number of aspirants who joined the bank = 700 - 0.022X

Number of aspirants who didn't qualify for mains of exam Q in 2020 $=1120000 \times 1.25=1400000$
Number of aspirants who qualified for GD-PI of Exam R in $2019=$ $1400000 \times 0.02=28000$
Now, $X+15000=28000$
$\Rightarrow X=13000$
Number of aspirants who didn't join the bank after taking Exam Q out of those who got the final offer in 2019 $=0.22 \mathrm{X}-1000=0.22 \times 13000-$ $1000=1860$
Hence, the answer is option E .
70. Ans. B.

## Examination Q:

Number of aspirants appeared for prelims = 1500000
Number of aspirants qualified for mains $=1500000 \times 0.1=150000$ Number of aspirants who didn't qualify for mains $=1500000$ $150000=1350000$
Number of aspirants qualified for GD-PI = X
Number of aspirants who got the final offer $=0.22 \mathrm{X}$
Number of aspirants who didn't get the final offer $=0.78 \mathrm{X}$
Number of aspirants who joined the bank = 1000
Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-1000$
Examination R:
Number of aspirants appeared for prelims $=1350000+150000 \times$ $0.3333=1400000$
Number of aspirants qualified for mains $=1400000 \times 0.2=280000$ Number of aspirants who didn't qualify for mains $=1400000$ $280000=1120000$
Number of aspirants qualified for GD-PI $=X+15000$
Number of aspirants who got the final offer $=0.22 \mathrm{X} \times 0.9=0.198 \mathrm{X}$ Number of aspirants who didn't get the final offer $=0.802 \mathrm{X}+15000$ Number of aspirants who didn't join the bank $=0.22 \mathrm{X}-700$
Number of aspirants who joined the bank $=700-0.022 \mathrm{X}$

Number of aspirants who didn't qualify for mains of exam Q in 2020 $=1120000 \times 1.25=1400000$
Number of aspirants who qualified for GD-PI of Exam R in $2019=$ $1400000 \times 0.02=28000=X+$ 15000
$\Rightarrow X=13000$
Number of aspirants who didn't join the bank after getting final offer in exam $R=0.22 X-700=0.22 \times$ $13000-700=2160$
Required percentage $=\frac{2160}{150000} \times 100$
$=1.44 \%$
Hence, the answer is option $B$.
71. Ans. C.

By approximation, we get:
$1331^{(1 / 3)}-6+17^{2}-1444^{(1 / 2)}=?^{2}$
$\times 4$
$\Rightarrow 11-6+289-38=?^{2} \times 4$
$\Rightarrow 64=?^{2}$
$\Rightarrow$ ? $=8$
Hence, the answer is option C.
72. Ans. E.

By approximation, we get:
$\frac{\sqrt{784}+\sqrt[3]{2197}-60 \div 3}{\sqrt{9 \times 3-36 \times \frac{2}{3}}}=$ ?
$\Rightarrow \frac{28+13-20}{\sqrt{27-24}}=$ ?
$\Rightarrow ?=\frac{21}{\sqrt{3}}$
$\Rightarrow ?=7 \sqrt{3}$
Hence, the answer is option $E$.
73. Ans. A.

By approximation, we get:
$10^{\frac{5}{2}} \div 10^{-\frac{1}{2}}-?^{3}=30 \times 9$
$\Rightarrow 10^{\left(\frac{5}{2}+\frac{1}{2}\right)}-30 \times 9=?^{3}$
$\Rightarrow ?^{3}=10^{3}-270$
$\Rightarrow ?^{3}=730$
$\Rightarrow$ ? $\approx 9$
Hence, the answer is option A.
74. Ans. D.

By approximation, we get:
$84 \times 4 \frac{3}{7}-84=(? \sqrt{2})^{2}$
$\Rightarrow 84 \times\left(4 \frac{3}{7}-1\right)=?^{2} \times 2$
$\Rightarrow 84 \times\left(\frac{31-7}{7}\right)=?^{2} \times 2$
$\Rightarrow 12 \times 12 \times 2=? 2 \times 2$
$\Rightarrow$ ? $=12$
Hence, the answer is option D.
75. Ans. C.

By approximation, we get:
$567+447=2^{?}$ - ?
$\Rightarrow 1014+$ ? $=2$ ?
$\Rightarrow$ ? $=10$
Hence, the answer is option C.
76. Ans. C.

Let actual speed of the train $=3 a$ kmph, then
According to question
$\frac{480}{3 \mathrm{a}}-1.5=\frac{480}{4 \mathrm{a}}$
$\Rightarrow 160-1.5 \mathrm{a}=120$
$\Rightarrow 1.5 \mathrm{a}=160-120=40$
Hence, the actual speed of train = $3 \mathrm{a}=2 \times 1.5 \mathrm{a}=2 \times 40=80 \mathrm{~km} / \mathrm{hr}$ $=80 \times \frac{5}{18}=\frac{200}{9} \mathrm{~m} / \mathrm{s}$.
77. Ans. E.

Let number of students of age 10 years or less = a
And let number of students of age more than 10 years $=b$
Then according to the question
$\Rightarrow 70 \mathrm{a}+120 \mathrm{~b}=3210$
$\Rightarrow 7 \mathrm{a}+12 \mathrm{~b}=321$
Now, value of (a, b) satisfying for this equation will be $=(3,25),(15$, 18), (27, 11), $(39,4)$

But
$3+25=28$
$15+18=33$
$27+11=38$
$39+4=43$
Of all these values only $(15,18)$ satisfies the given condition - (Total number of students was $30<a<$ 35)

Hence, the required ratio $=18: 15$ = 6 : 5 .
78. Ans. C.

It is given that the shopkeeper made a profit of Rs. 70 on selling both the articles. So, we can write the following:
Total cost price of the articles $=$ $3770-70=$ Rs. 3700
Let the cost price of the article which was sold at 10\% profit be Rs. 100a.
So, the cost price of the article which was sold at $10 \%$ loss $=(3700$ - 100a) = Rs. 100 (37-a)

According to the question, we can write the following:
(100a + 10\% of 100a) + [100(37-
a) $-10 \%$ of $100(37-a)]=3770$
$\Rightarrow 110 \mathrm{a}+90(37-\mathrm{a})=3770$
$\Rightarrow 20 \mathrm{a}=3770-3330=440$
Hence, the cost price of the article which was sold at $10 \%$ profit = $100 \mathrm{a}=20 \mathrm{a} \times 5=440 \times 5=$ Rs. 2200
Hence, option (C) is the correct answer.

## START FREE TRIAL

79. Ans. D.

Let the rate of interest $=a \%$ per annum
Difference of compound and simple interest after 2 years $=P \times\left(\frac{a}{100}\right)^{2}$
$540=24000 \times\left(\frac{\mathrm{a}}{100}\right)^{2}$
$\Rightarrow \frac{9}{400}=\left(\frac{\mathrm{a}}{100}\right)^{2}$
$\Rightarrow\left(\frac{3}{20}\right)^{2}=\left(\frac{\mathrm{a}}{100}\right)^{2}$
Hence, the required rate $=a=3 \times$ 5 = 15\%.
80. Ans. C.

Let the concentration of alcohol in solution $\mathrm{A}=\mathrm{a} \%$ and in solution $\mathrm{B}=$ b\%
When they are mixed in the ratio 1
: 4, then
$\frac{a+4 b}{5}=32$
$\Rightarrow \mathrm{a}+4 \mathrm{~b}=160$ $\qquad$
And when mixed in the ratio $4: 1$, then
$\frac{4 a+b}{5}=68$
$\Rightarrow 4 a+b=340$ $\qquad$
On solving equations (i) and (ii), we get
$a=80$ and $b=20$
Hence, the required ratio $=\mathrm{a}: \mathrm{b}=$ 80: 20 = 4: 1.
81. Ans. B.

1) B sits fourth to the left of $M$.
2) $L$ sits adjacent to $B$.

Here, we have two possible cases i.e. Case 1 and Case 2.

Case 1


Case 2

3) Two people sit between $B$ and $A$ who sits at the extreme end.
4) Four people sit between P and L. Here, case 2 gets eliminated.

Case 1

5) Three people sit between $P$ and T.
6) $R$ sits third to the left of $P$.

Here, we have one more case i.e. Case 3.

Case 1


Case 3

7) N sits adjacent to $R$. Here, case 3 gets eliminated.

8) Number of people sit to the left of $B$ is half of the number of people sit to the right of T .

82. Ans. E.

1) B sits fourth to the left of $M$.
2) $L$ sits adjacent to $B$.

Here, we have two possible cases i.e. Case 1 and Case 2.

Case 1


Case 2

3) Two people sit between $B$ and $A$ who sits at the extreme end.
4) Four people sit between $P$ and $L$. Here, case 2 gets eliminated.

Case 1

5) Three people sit between $P$ and T.
6) $R$ sits third to the left of $P$.

Here, we have one more case i.e.
Case 3.
Case 1

Case 3

7) N sits adjacent to R .

Here, case 3 gets eliminated.

8) Number of people sit to the left of $B$ is half of the number of people sit to the right of T .

83. Ans. B.

1) B sits fourth to the left of $M$.
2) $L$ sits adjacent to $B$.

Here, we have two possible cases i.e. Case 1 and Case 2.

Case 1


Case 2

3) Two people sit between $B$ and $A$ who sits at the extreme end.
4) Four people sit between $P$ and $L$. Here, case 2 gets eliminated.

Case 1

5) Three people sit between $P$ and T.
6) $R$ sits third to the left of $P$. Here, we have one more case i.e. Case 3.

Case 1


Case 3

7) N sits adjacent to $R$.

Here, case 3 gets eliminated.

8) Number of people sit to the left of $B$ is half of the number of people sit to the right of T .

84. Ans. A.

1) $B$ sits fourth to the left of $M$.
2) $L$ sits adjacent to $B$.

Here, we have two possible cases i.e. Case 1 and Case 2.

Case 1

Case 2

3) Two people sit between $B$ and $A$ who sits at the extreme end.
4) Four people sit between $P$ and $L$. Here, case 2 gets eliminated.

Case 1

5) Three people sit between $P$ and T.
6) $R$ sits third to the left of $P$. Here, we have one more case i.e. Case 3.

Case 1


Case 3

7) $N$ sits adjacent to $R$.

Here, case 3 gets eliminated.

8) Number of people sit to the left of $B$ is half of the number of people sit to the right of T .

85. Ans. E.

1) $B$ sits fourth to the left of $M$.
2) $L$ sits adjacent to $B$.

Here, we have two possible cases i.e. Case 1 and Case 2.

Case 1


Case 2

3) Two people sit between $B$ and $A$ who sits at the extreme end.
4) Four people sit between $P$ and $L$. Here, case 2 gets eliminated.

Case 1

5) Three people sit between $P$ and T.
6) $R$ sits third to the left of $P$.

Here, we have one more case i.e. Case 3.

Case 1


Case 3

7) N sits adjacent to R .

Here, case 3 gets eliminated.

8) Number of people sit to the left of $B$ is half of the number of people sit to the right of T .

86. Ans. D.

1) Box B kept just below to the box which belongs to Japan.
2) Box B kept at even numbered position.
Here, we have two possible cases i.e. case 1 and Case 2.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  |  |  |
| 5 |  | Japan |  |  |
| 4 | B |  |  |  |
| 3 |  |  |  | Japan |
| 2 |  |  | B |  |
| 1 |  |  |  |  |

3) Two boxes kept between Box B and Box D which belongs to Poland. 4) Box F kept just above Box D.
4) The box which belongs to India kept at odd numbered position.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  | F |  |
| 5 |  | Japan | D | Poland |
| 4 | B |  |  |  |
| 3 |  | India |  | Japan |
| 2 | F |  | B |  |
| 1 | D | Poland |  | India |

6) Two boxes kept between the box which belongs to India and Box C.
7) Number of boxes kept below Box $C$ is two more than number of boxes kept above Box A.
Here, case 2 gets eliminated.

|  | Case 1 |  |
| :---: | :---: | :---: |
|  | Box | Country |
| $\mathbf{6}$ | C |  |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B |  |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F |  |
| $\mathbf{1}$ | D | Poland |

8) Box $F$ and $C$ does not belong to China.
9) The box belongs to Norway kept above the box belongs to China.

|  | Box | Country |
| :---: | :---: | :---: |
| $\mathbf{6}$ | C | Norway |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B | China |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F | Germany |
| $\mathbf{1}$ | D | Poland |

87. Ans. A.
1) Box B kept just below to the box which belongs to Japan.
2) Box B kept at even numbered position.
Here, we have two possible cases i.e. case 1 and Case 2.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  |  |  |
| 5 |  | Japan |  |  |
| 4 | B |  |  |  |
| 3 |  |  |  | Japan |
| 2 |  |  | B |  |
| 1 |  |  |  |  |

3) Two boxes kept between Box B and Box D which belongs to Poland. 4) Box F kept just above Box D.
4) The box which belongs to India kept at odd numbered position.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  | F |  |
| 5 |  | Japan | D | Poland |
| 4 | B |  |  |  |
| 3 |  | India |  | Japan |
| 2 | F |  | B |  |
| 1 | D | Poland |  | India |

6) Two boxes kept between the box which belongs to India and Box C.
7) Number of boxes kept below Box C is two more than number of boxes kept above Box A.
Here, case 2 gets eliminated.

|  | Case 1 |  |
| :---: | :---: | :---: |
|  | Box | Country |
| $\mathbf{6}$ | C |  |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B |  |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F |  |
| $\mathbf{1}$ | D | Poland |

8) Box $F$ and $C$ does not belong to China.
9) The box belongs to Norway kept above the box belongs to China.

|  | Box | Country |
| :---: | :---: | :---: |
| $\mathbf{6}$ | C | Norway |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B | China |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F | Germany |
| $\mathbf{1}$ | D | Poland |

88. Ans. B.
1) Box B kept just below to the box which belongs to Japan.
2) Box B kept at even numbered position.
Here, we have two possible cases i.e. case 1 and Case 2.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  |  |  |
| 5 |  | Japan |  |  |
| 4 | B |  |  |  |
| 3 |  |  |  | Japan |
| 2 |  |  | B |  |
| 1 |  |  |  |  |

3) Two boxes kept between Box B and Box D which belongs to Poland. 4) Box F kept just above Box D.
4) The box which belongs to India kept at odd numbered position.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| $\mathbf{6}$ |  |  | F |  |
| $\mathbf{5}$ |  | Japan | D | Poland |
| $\mathbf{4}$ | B |  |  |  |
| $\mathbf{3}$ |  | India |  | Japan |
| $\mathbf{2}$ | F |  | B |  |
| $\mathbf{1}$ | D | Poland |  | India |

6) Two boxes kept between the box which belongs to India and Box C.
7) Number of boxes kept below Box C is two more than number of boxes kept above Box A.
Here, case 2 gets eliminated.

|  | Case 1 |  |
| :---: | :---: | :---: |
|  | Box | Country |
| $\mathbf{6}$ | C |  |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B |  |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F |  |
| $\mathbf{1}$ | D | Poland |

8) Box $F$ and $C$ does not belong to China.
9) The box belongs to Norway kept above the box belongs to China.

|  | Box | Country |
| :---: | :---: | :---: |
| $\mathbf{6}$ | C | Norway |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B | China |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F | Germany |
| $\mathbf{1}$ | D | Poland |

89. Ans. D.
1) Box B kept just below to the box which belongs to Japan.
2) Box B kept at even numbered position.
Here, we have two possible cases i.e. case 1 and Case 2.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| 6 |  |  |  |  |
| 5 |  | Japan |  |  |
| 4 | B |  |  |  |
| 3 |  |  |  | Japan |
| 2 |  |  | B |  |
| 1 |  |  |  |  |

3) Two boxes kept between Box B and Box D which belongs to Poland.
4) Box F kept just above Box D.
5) The box which belongs to India kept at odd numbered position.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| $\mathbf{6}$ |  |  | F |  |
| $\mathbf{5}$ |  | Japan | D | Poland |
| $\mathbf{4}$ | B |  |  |  |
| $\mathbf{3}$ |  | India |  | Japan |
| $\mathbf{2}$ | F |  | B |  |
| $\mathbf{1}$ | D | Poland |  | India |

6) Two boxes kept between the box which belongs to India and Box C.
7) Number of boxes kept below Box C is two more than number of boxes kept above Box A.
Here, case 2 gets eliminated.

|  | Case 1 |  |
| :---: | :---: | :---: |
|  | Box | Country |
| $\mathbf{6}$ | C |  |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B |  |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F |  |
| $\mathbf{1}$ | D | Poland |

8) Box $F$ and $C$ does not belong to China.
9) The box belongs to Norway kept above the box belongs to China.

|  | Box | Country |
| :---: | :---: | :---: |
| $\mathbf{6}$ | C | Norway |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B | China |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F | Germany |
| $\mathbf{1}$ | D | Poland |

90. Ans. C.
1) Box B kept just below to the box which belongs to Japan.
2) Box B kept at even numbered position.
Here, we have two possible cases i.e. case 1 and Case 2.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| $\mathbf{6}$ |  |  |  |  |
| 5 |  | Japan |  |  |
| 4 | B |  |  |  |
| 3 |  |  |  | Japan |
| 2 |  |  | B |  |
| 1 |  |  |  |  |

3) Two boxes kept between Box B and Box D which belongs to Poland. 4) Box F kept just above Box D.
4) The box which belongs to India kept at odd numbered position.

|  | Case 1 |  | Case 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Box | Country | Box | Country |
| $\mathbf{6}$ |  |  | F |  |
| $\mathbf{5}$ |  | Japan | D | Poland |
| 4 | B |  |  |  |
| $\mathbf{3}$ |  | India |  | Japan |
| $\mathbf{2}$ | F |  | B |  |
| $\mathbf{1}$ | D | Poland |  | India |

6) Two boxes kept between the box which belongs to India and Box C.
7) Number of boxes kept below Box C is two more than number of boxes kept above Box A.
Here, case 2 gets eliminated.

|  | Case 1 |  |
| :---: | :---: | :---: |
|  | Box | Country |
| $\mathbf{6}$ | C |  |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B |  |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F |  |
| $\mathbf{1}$ | D | Poland |

8) Box $F$ and $C$ does not belong to China.
9) The box belongs to Norway kept above the box belongs to China.

|  | Box | Country |
| :---: | :---: | :---: |
| $\mathbf{6}$ | C | Norway |
| $\mathbf{5}$ | E | Japan |
| $\mathbf{4}$ | B | China |
| $\mathbf{3}$ | A | India |
| $\mathbf{2}$ | F | Germany |
| $\mathbf{1}$ | D | Poland |

91. Ans. B.

92. Ans. C.

Meaningful word - COPY
First letter - C
93. Ans. C.

94. Ans. E.

1) Only three persons are there between $E$ and $F$, who is either the heaviest or the lightest among all. CASE 1:
F > $\qquad$ $>$ $\qquad$ > $\qquad$ > E > $\qquad$
CASE 2:
$\qquad$ > E > $\qquad$ $>$ $\qquad$ $>$ $\qquad$ $>$ F
2) $A$ is lighter than $C$ but heavier than $B$, whose weight is 33 .
i.e. $C>A>B$
3) E's weight is 58 Kg .

CASE 1(a):
F > C > A > $\qquad$ $>\mathrm{E}(58)>\mathrm{B}(33)$
CASE 1(b):
F $>$ C > $\qquad$ $>A>E(58)>B(33)$ CASE 2 (a):
$C>E(58)>A>B>$ $\qquad$ $>F$
CASE 2 (b):

$$
>E(58)>C>A>B(33)>F
$$

CASE 2 (c):
C > E (58) > $\qquad$ $>A>B(33)>F$ CASE 2 (d):
C > E (58) > A > $\qquad$ $>B(33)>F$
4) Difference between the weight of A and $D$ is 5, which is the difference between the weight of $D$ and $B$.
i.e. $A>D>B$

Hence, CASE 1(b), CASE 2(a, b and c) eliminated.
5) C, whose weight is the multiple of 13 and 5 .
i.e. $C=65$

CASE 1(a):
F $>\mathrm{C}(65)>\mathrm{A}>\mathrm{D}>\mathrm{E}(58)>\mathrm{B}$ (33)

CASE 2 (d):
$C(65)>E(58)>A>D>B(33)>$ F
6) Total weight of $C$ and $F$ is 86 .
i.e. $C+F=86, F=86-65=17$

Hence, $F$ is lighter among all. CASE 1(a) eliminated.
$A=43 D=38$
Final Solution
$C(65)>A(43)>D(38)>E(58)$ $>B(33)>F(17)$
Hence, If the weight of $G$ and $F$ is 103 kg than the difference between the weights of $G$ and $C$ is 17 .
95. Ans. D.

1) Only three persons are there between $E$ and $F$, who is either the heaviest or the lightest among all.
CASE 1:


CASE 2:
$\qquad$
2) $A$ is lighter than $C$ but heavier than $B$, whose weight is 33 .
i.e. $C>A>B$
3) E's weight is 58 Kg .

CASE 1(a):
$F>C>A>\ldots \quad>E(58)>B(33)$
CASE 1(b):
F > C > $\qquad$ $>A>E(58)>B(33)$
CASE 2 (a):
C $>\mathrm{E}(58)>\mathrm{A}>\mathrm{B}>\ldots>\mathrm{F}$
CASE 2 (b):

$$
>E(58)>C>A>B(33)>F
$$

CASE 2 (c):
C > E (58) > $\qquad$ $>\mathrm{A}>\mathrm{B}(33)>\mathrm{F}$ CASE 2 (d):
C > E (58) > A > $\qquad$ $>B(33)>F$
4) Difference between the weight of A and $D$ is 5, which is the difference between the weight of $D$ and $B$.
i.e. $A>D>B$

Hence, CASE 1(b), CASE 2(a, b and c) eliminated.
5) C, whose weight is the multiple of 13 and 5 .
i.e. $C=65$

CASE 1(a):
F > C (65) > A > D > E (58) > B (33)

CASE 2 (d):
C (65) > E (58) > A > D > B (33) > F
6) Total weight of $C$ and $F$ is 86 .
i.e. $C+F=86, F=86-65=17$

Hence, $F$ is lighter among all. CASE 1(a) eliminated.
$\mathrm{A}=43 \mathrm{D}=38$
Final Solution
C (65) > A (43) > D (38) > E (58) $>$ B (33) > F (17)
Hence, C is the heaviest among all. 96. Ans. B.

1) Only three persons are there between $E$ and $F$, who is either the heaviest or the lightest among all.
CASE 1:
F > $\qquad$ $>$ $\qquad$ $>$ $\qquad$ > E > $\qquad$
CASE 2:
$\qquad$ $>\mathrm{E}>$ $\qquad$ $>$ $\qquad$ $>$ $\qquad$ > F
2) $A$ is lighter than $C$ but heavier than $B$, whose weight is 33 .
i.e. $C>A>B$
3) E's weight is 58 Kg .

CASE 1(a):
F > C > A > $\qquad$ $>E(58)>B(33)$
CASE 1(b):
F > C > $\qquad$ $>A>E(58)>B(33)$ CASE 2 (a):
C > E (58) > A > B > $\qquad$ $>F$
CASE 2 (b):


Case I
Case II



G sits second to the left of $F$ and faces opposite direction of B.
$D$ is not adjacent to $C$.

Case I


Case II


C does not face D.
Hence, case II is eliminated.
E sits second to the left of H , who faces outside the table.

## Case I



Number of persons facing inside and outside is odd and number of persons facing outside is larger than
the number of persons facing inside the table.
Hence, the only right combination is 3 persons facing inside and 5 persons facing outside.

## Case I



Therefore, this is the final arrangement.
Hence, five persons are facing outside the table.
98. Ans. A.

C sits second to the left of A who faces inside the table.
$F$ sits third to the right of $C$.
C and F face opposite directions.
$B$ faces $A$.

Case I


Case II


G sits second to the left of $F$ and faces opposite direction of B.
D is not adjacent to C.

Case I


Case II


C does not face D.
Hence, case II is eliminated.
E sits second to the left of H, who faces outside the table.

## Case I



Number of persons facing inside and outside is odd and number of persons facing outside is larger than the number of persons facing inside the table.
Hence, the only right combination is 3 persons facing inside and 5 persons facing outside.

## Case I



Therefore, this is the final arrangement.
Hence, F sits opposite of E .
99. Ans. D.

C sits second to the left of A who faces inside the table.
F sits third to the right of C .
C and F face opposite directions.
$B$ faces $A$.

Case I


Case II

$G$ sits second to the left of $F$ and faces opposite direction of B.
$D$ is not adjacent to $C$.

Case I


Case II


C does not face D.
Hence, case II is eliminated.
E sits second to the left of H , who faces outside the table.

Case I


Number of persons facing inside and outside is odd and number of persons facing outside is larger than the number of persons facing inside the table.
Hence, the only right combination is 3 persons facing inside and 5 persons facing outside.

Case I


Therefore, this is the final arrangement.
Hence, four persons are seated between $A$ and $F$ when counted clockwise counted from A. 100. Ans. A.

C sits second to the left of A who faces inside the table.
$F$ sits third to the right of $C$.
C and F face opposite directions.
$B$ faces $A$.

Case I


Case II


G sits second to the left of $F$ and faces opposite direction of B.
D is not adjacent to $C$.

Case I


Case II


C does not face D.
Hence, case II is eliminated.
E sits second to the left of H, who faces outside the table.

Case I


Number of persons facing inside and outside is odd and number of persons facing outside is larger than the number of persons facing inside the table.
Hence, the only right combination is 3 persons facing inside and 5 persons facing outside.

## Case I



Therefore, this is the final arrangement.
Hence, H sits immediate right of B . 101. Ans. E.

C sits second to the left of A who faces inside the table.
F sits third to the right of C .
C and F face opposite directions. $B$ faces $A$.

Case I


Case II


G sits second to the left of $F$ and faces opposite direction of B.
D is not adjacent to C .

Case I


Case II


C does not face D.
Hence, case II is eliminated.
E sits second to the left of H , who faces outside the table.

## Case I



Number of persons facing inside and outside is odd and number of persons facing outside is larger than the number of persons facing inside the table.
Hence, the only right combination is 3 persons facing inside and 5 persons facing outside.

## Case I



Therefore, this is the final arrangement.
Hence, all except $F$ are facing outside the table.
102. Ans. C.

103. Ans. D.

104. Ans. D.

| Words | Codes |
| :---: | :---: |
| Group | jb |
| Ideal | wo |
| Famous | ts |
| Country | mn |
| Movement | xk |
| Point | ya |
| Summit | qd |
| Actual | ut |
| Affection | df |

105. Ans. D.

| Words | Codes |
| :---: | :---: |
| Group | jb |
| Ideal | wo |
| Famous | ts |
| Country | mn |
| Movement | xk |
| Point | ya |
| Summit | qd |
| Actual | ut |
| Affection | df |

106. Ans. A.

| Words | Codes |
| :---: | :---: |
| Group | jb |
| Ideal | wo |
| Famous | ts |
| Country | mn |
| Movement | xk |
| Point | ya |
| Summit | qd |
| Actual | ut |
| Affection | df |

107. Ans. D.

| Words | Codes |
| :---: | :---: |
| Group | jb |
| Ideal | wo |
| Famous | ts |
| Country | mn |
| Movement | xk |
| Point | ya |
| Summit | qd |
| Actual | ut |
| Affection | df |

108. Ans. B.

| Words | Codes |
| :---: | :---: |
| Group | jb |
| Ideal | wo |
| Famous | ts |
| Country | mn |
| Movement | xk |
| Point | ya |
| Summit | qd |
| Actual | ut |
| Affection | df |

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109. Ans. E.

| Symbol in <br> Diagram | Meaning |
| :---: | :--- |
| $\square$ | Female |
| $\square$ | Male <br> couple |
| $\square$ | Siblings <br> Generation |
| $\square$ |  |


110. Ans. C.

| Symbol in <br> Diagram | Meaning |
| :---: | :--- |
| $\square$ | Female |
| $\square$ | Male <br> couple |
| $\square$ | Siblings <br> Difference of a <br> Generation |


111. Ans. B.

| Symbol in <br> Diagram | Meaning |
| :---: | :--- |
| $\square$ | Female |
| $\square$ | Male <br> couple |
| $\square$ | Siblings <br>  |
|  | Difference of a <br> Generation |


112. Ans. D.

From statement I:
D was born in a month having 30 days before the month September.

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$B$ was born in a month having neither 30 nor 31 days.
G was born immediately after H , who was born in a month after July.

| People | Months |
| :--- | :--- |
| A |  |
| B | Feb |
| C |  |
| D | June/April |
| E |  |
| F |  |
| G | Sept/Oct |
| H | Oct/Nov |

Hence, statement I alone is not sufficient to answer the question.
From statement II:
C was born immediately before D.
A was born in a month that has the same number of days that the month in which H was born has.
E was born in July.

| People | Months |
| :--- | :--- |
| A |  |
| B |  |
| C |  |
| D |  |
| E | July |
| F |  |
| G |  |
| H |  |

Hence, statement II alone is not sufficient to answer the question. From statement I and II:

| People | Months |
| :--- | :--- |
| A | Jan/Sept |
| B | Feb |
| C | April |
| D | June |
| E | July |
| F |  |
| G | Sept/Oct |
| H | Oct/Nov |

Hence, data in statement I and II are not sufficient to sufficient to answer the question.

## 113. Ans. D.

Q stands immediate left of L .
An even number of people stands to the right of L .
Case I:


Case II:
$-\quad$ Q L $\qquad$
Case III:
Q L $\qquad$
From statement I:
Three people stand between K and Q.
$R$ stands at an extreme end of the row.
Case I:
K $\qquad$ Q L $\qquad$ R
Case II:
R/ __ Q L $\qquad$ K R/
Case III:
Q L $\qquad$ K $\qquad$ R
Data in statement I is insufficient to answer the question.
From statement II:
M stands immediate left of O, who is not adjacent to $K$ or $R$.

Data in statement II is insufficient to answer the question.
From statement I and II:
Three people stand between K and Q.
$R$ stands at an extreme end of the row.
M stands immediate left of O, who is not adjacent to K or R .
Case IA:
K $\qquad$ M O Q L $\qquad$ R
Case IB:
K M O _ Q L _ R
Case II:
M OQ L $\qquad$ K R
Data in both statement I and II are not sufficient to answer the question.
114. Ans. C.

From statement I:
Two people sit between Q and T , who does not sit at an extreme end of the row.
A, who sits at an extreme end of the row, sits second to the right of E , who sits opposite of $\mathrm{P} . \mathrm{R}$ sits diagonally opposite of C , who is not adjacent to B .


Hence, data in statement I is sufficient to answer the question.
From statement II:
P sits second to the left of Q , who sits opposite of C.
Four people sit to the left right of C .

E sits in the middle of the row.
$B$ sits opposite of $T$, who is not adjacent to Q.
T does not sit at the extreme end of the row.


Hence, data in statement I is sufficient to answer the question. 115. Ans. B.

From statement I:
In an artificial language,
(i) "pocket red blank" is coded as "kt
bl dr";
(ii) "red word small" is coded as "dr os la";
(iii) "pocket blank brown" is coded as "kt wn bl".
Comparing (i) and (iii), we have point blank $=$ bl/kt (but not necessarily in the order)
Comparing (i) and (ii), we have red $=\mathrm{dr}$
Hence, data in statement I is not sufficient to answer the question.
From statement II:
In an artificial language,
"blank fill point" is coded as "bl nt If";
"point brown fill" is coded as "nt wn lo";
"red point doll" is coded as "dr lo nt",
"doll red brown" is coded as "lo wn dr".

Comparing (i), (ii) and (iii), we have point $=n t$
Comparing (i) and (ii), we have fill $=$ If
Hence, blank (from (i)) = bl
Comparing (iii) and (iv), we have red $=$ dr
Hence, red blank $=d r$ bl or bl dr
Thus, data in statement II is alone sufficient to answer the question. 116. Ans. A.
$B$ sits immediate right of $D$, who sits opposite of P.
Case I


Case II


Case III


A and C are adjacent to each other. Hence, case II is eliminated. Q sits opposite of C .

Case IA


Case I B


Case III A


Case IIIB

$S$ is adjacent to $P$.
$R$ is not adjacent to Q .
Hence, case IB, IIIA and IIIB are eliminated.


Case IA


Therefore, this is the final arrangement.
B sits opposite of R.
117. Ans. C.
$B$ sits immediate right of $D$, who sits opposite of P .

Case I


Case II


Case III


A and C are adjacent to each other. Hence, case II is eliminated.

Q sits opposite of C .
Case IA


Case IB


Case IIIA


Case IIIB


R is not adjacent to Q .
Hence, case IB, IIIA and IIIB are eliminated.

Case IA


Therefore, this is the final arrangement.

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One person sits between $B$ and $A$, who sits opposite of S. 118. Ans. E.
$B$ sits immediate right of $D$, who sits opposite of P .

Case I


Case II


Case III


A and C are adjacent to each other. Hence, case II is eliminated. Q sits opposite of C .

Case IA


Case I B


Case III A


Case IIIB

$S$ is adjacent to $P$.
R is not adjacent to Q .
Hence, case IB, IIIA and IIIB are eliminated.

Case IA


Therefore, this is the final arrangement.
All except A sits at extreme ends of the rows.

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119. Ans. A.
$B$ sits immediate right of $D$, who sits opposite of P .

Case I


Case II


Case III


A and C are adjacent to each other. Hence, case II is eliminated. Q sits opposite of C .

Case IA


Case IB


Case IIIB

$S$ is adjacent to $P$. R is not adjacent to Q .
Hence, case IB, IIIA and IIIB are eliminated.
Case IA


Therefore, this is the final arrangement.
Q sits $3^{\text {rd }}$ to the right of the one who sits at the left end of the row-1.
120. Ans. D.
$B$ sits immediate right of $D$, who sits opposite of P .
Case I


Case II


Case III


A and $C$ are adjacent to each other. Hence, case II is eliminated. Q sits opposite of C .

## Case IA



Case IB


Case III A


Case IIIB

$S$ is adjacent to $P$.
R is not adjacent to Q .
Hence, case IB, IIIA and IIIB are eliminated.
Case IA


Therefore, this is the final arrangement.
Both A and B are two immediate neighbours of the person who sits opposite of the one who is immediate left of S, i.e. D.

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121. Ans. D.

- Economic development , Caring Society and Aspirational India are the themes of Budget 2020-2021.
- In this Budget our finance focuses on the economic development of the country with people care for one another.

122. Ans. D.

In India, the Civil Service Day is celebrated on $\mathbf{2 1}$ April every year. The day is observed by all Civil Services. The main objective of this day to rededicate and recommit themselves to the cause of the people.
123. Ans. B.

Certificate of deposit market deals with the certificate of deposits issued by commercial banks.

- A certificate of deposit is a document of title to a time deposit.
- The minimum amount of investment should not be less than Rs. 1 lakh and in the multiples of 1 lakh thereafter.
- The maturity period of CDs issued by banks should not be less than seven days and not more than one year.
- They are freely transferable by endorsement and delivery. Certificate of deposits provides greater flexibility to an investor in the deployment of their short-term funds.
Note:
- Certificate of Deposit (CD) is a negotiable money market instrument and issued in dematerialised form or as a Usance

Promissory Note against funds deposited at a bank or other eligible financial institution for a specified time period.

- CDs can be issued by (i) scheduled commercial banks \{excluding Regional Rural Banks and Local Area Banks\}; and (ii) select AllIndia Financial Institutions (FIs) that have been permitted by RBI to raise short-term resources within the umbrella limit fixed by RBI.

124. Ans. A.

- The Reserve Bank of India has approved the appointment of Sashidhar Jagdishan as the next managing director of HDFC Bank, succeeding veteran Aditya Puri. He will take charge in October when Puri retires.
- Aditya Puri was the CEO of HDFC Bank since September 1994. He is the longest-serving head of any private bank in India.
- Sashidhar Jagdishan is a chartered accountant. He holds a Master's degree in Economics of money, banking and finance. He joined the Bank in 1996 and heads finance, human resources, and other departments. 125. Ans. D.
- Tamal Bandyopadhyay has authored a book titled "Pandemonium: The Great Indian Banking Tragedy" and will be released on November 09, 2020.
- This book, published by Roli Books, provides an understanding of the challenges and economic potential of India.
- The book "Pandemonium" accounts how many promoters had swapped equity with debt while the managements of the banks were finding a way to protect their balance sheets until the intervention of the Reserve Bank of India (RBI) against their bad loans. 126. Ans. A.
* The Veteran Violinist and Padama Shri \& Padma Bhushan Awardee Tripunithura Narayanaiyer Krishnan (T N Krishnan) passed away at the age of 92 at Chennai, Tamil Nadu. He was born in 1928 in Kerala.
* T N Krishnan was a child prodigy who made his first solo violin concert in Triruvantahpuran in 1939.
* ii.He was mentored by Alleppy K. Parthasarathy and had accompanied numerous musicians like Ariyakudi Ramanuja Iyengar, Musiri Subramania Iyer, Alathur Brothers, Madurai Mani Iyer, Chembai Vaidyanatha Bhagavatar among others.

127. Ans. C.

* India's largest lender State Bank of India has entered into a partnership with FMCG major Hindustan Unilever to offer corporate solutions to its trade partners.
* The partnership aims to make availing of credit easy for channel partners, provides UPI based payment solutions and PoS terminals to retailers \& distributors * The objective of the partnership is to augment the width of credit and
will be beginning a pilot in Mumbai and Bengaluru.

128. Ans. B.

* Abu Dhabi's Sovereign Wealth Fund (SWF) - MIC Redwood 1 RSC Limited - has become the first foreign SWF that has been notified and granted $100 \%$ income-tax exemption for the long-term investments to be made in the specified priority sectors in India.
* This decision is on the lines of July 6, 2020 government notification regarding to broaden the scope of this exemption and to expedite foreign investment in the country's priority areas during the Covid-19 pandemic.

129. Ans. B.

- Vigilance Awareness Week, 2020 will be observed from 27th October till $2^{\text {nd }}$ November.
- Vigilance Awareness Week 2020 Theme: Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India).
- It is commemorated to affirm our commitment towards promotion of integrity and probity in public life through citizen participation.

130. Ans. D.

Exercise Malabar is a trilateral naval exercise involving the United States, Japan and India as permanent partners. The past nonpermanent members are Australia and Singapore.
131. Ans. B.

Kanha Tiger Reserve also called Kanha National Park is one of the tiger reserves of India and the
largest national park of Madhya Pradesh state in India.
Note:-Kanha national park cum Tiger reserve extends over an area of over $\mathbf{1 , 9 4 0 - s q - k m s . ~}$
132. Ans. B.

- In Madhya Pradesh, the Panna Tiger Reserve has been included in the 'World Network of Biosphere Reserves' list of the UNESCO.
- This is the 12th biosphere reserve from India to be included in the 'World Network of Biosphere Reserves', and third from Madhya Pradesh, after Pachmarhi and Amarkantak. Currently, Panna Tiger Reserve is home to 54 tigers.
- The UNESCO World Network of Biosphere Reserves (WNBR) covers internationally designated protected areas (known as biosphere reserves) that demonstrate a balanced relationship between people and nature (like encourage sustainable development).

133. Ans. C.

- State Bank of India (SBI), the country's largest lender by assets, on Wednesday reported a net profit of Rs $4,574.16$ crore in the JulySeptember period.
- That marked an increase of 52 per cent compared to its profit of ₹ 3,011.73 crore in the corresponding period a year ago.
- Lower provisioning for nonperforming assets - or bad loans boosted Mumbai-based SBI's profitability in the second quarter of current financial year.
- The bank's net interest income or the difference between interest earned and interest paid - grew 14.55 per cent to ₹ $28,181.50$ crore in the quarter ended September 30, from ₹ $24,600.32$ crore in the yearago period.

134. Ans. B.

- Portugal MP, Duarte Pacheco has won the elections for the post the President of the Inter-Parliamentary Union (IPU).
- The term of the Duarte Pacheco will be from 2020-2023.
- He will be the 30th President of the IPU and will succeed Mexican MP Gabriela Cuevas Barron who completed the tenure in October 2020.

135. Ans. B.

- The 40th Meeting of the SAARCFINANCE Governors' Group was held virtually, under the Chairmanship of Shri Shaktikanta Das, Governor, RBI.
- The meeting was attended by the Governors from SAARC central banks. During the meeting, Mr Das also inaugurated the SAARCFINANCE Sync, a closed user group secure communication network.
- The central bank of Bhutan is not correctly matched as its name is Royal monetary authority of Bhutan. 136. Ans. A.
- The Reserve Bank of India has prescribed that housing finance companies should have atleast 60\%

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of total assets towards housing finance by 31 March 2024.

- Following the review of the regulatory framework for HFCs, the central bank said that these HFCs should have minimum ₹ 20 crore as the minimum net owned funds (NOFO requirement for a company to commence housing finance as its principal business or carry on the business of housing finance as its principal business.
- The revision in rules are based on the recommendations made in July this year following RBI's taking over as the regulator of mortgage lenders from National Housing Bank (NHB) in August 2019.
- Following the review of the rules, home financiers will now be regulated as a category of nonbanking financial companies.

137. Ans. A.

- Congress has 535 voting members: 100 senators and 435 representatives, the latter defined by the Reapportionment Act of 1929.
- In addition, the House of Representatives has six non-voting members, bringing the total membership of the US Congress to 541 or fewer in the case of vacancies.

138. Ans. D.

- Finance minister Nirmala Sitharaman on Saturday launched a common online platform named eBkray to auction assets attached by various state-run banks, seeking to bring in transparency in the sale
of 35,000 properties currently available and many more in future.
- After a meeting with chiefs of state-run banks on Saturday, ahead of the Budget, the minister also announced that the revenue department will notify RuPay and UPI as the prescribed mode of payment for undertaking digital transactions without any MDR charges from January 1, 2020.
- Accordingly, all companies with a turnover of Rs 50 crore and above will be required to offer payment facility through RuPay debit card and UPI QR code to their customers, in sync with a Budget proposal.

139. Ans. B.

- The Scottish actor was best known for his portrayal of James Bond, being the first to bring the role to the big screen and appearing in seven of the spy thrillers.
- Sir Sean died peacefully in his sleep in the Bahamas, having been "unwell for some time".
- His acting career spanned seven decades and he won an Oscar in 1988 for his role in The Untouchables.
- Sir Sean's other films included The Hunt for Red October, Highlander, Indiana Jones and the Last Crusade and The Rock.

140. Ans. A.

- Kia Motors Corporation, commonly known as Kia Motors is a South Korean company.
- Kia Motors Corporation was founded in May 1944 and is Korea's
oldest manufacturer of motor vehicles.
- From humble origins making bicycles and motorcycles, Kia has grown - as part of the dynamic, global Hyundai-Kia Automotive Group - to become the world's fifth largest vehicle manufacturer.

141. Ans. D.

- The issue price for the sovereign gold bond has been fixed at Rs 5,051 per gram of gold.
- The Sovereign Gold Bond Scheme 2020-21-Series VII will be opened for subscription from October 12 to October 16.
- The bonds are denominated in multiples of grams of gold with a basic unit of 1 gram and the tenure of the SGB will be eight years with exit option after fifth year to be exercised on the interest payment dates.
- The bonds are restricted for sale to resident individuals, Hindu Undivided Families (HUFs), trusts, universities and charitable institutions.
- The minimum permissible investment will be 1 gram of gold and the maximum limit of subscription shall be 4 kg for individual, 4 kg for HUF and 20 kg for trusts and similar entities per fiscal (April-March).

142. Ans. B.

- Machu Picchu, the ancient city high in the Andes mountains, has reopened after nearly eight months of closure due to the coronavirus pandemic.
- Peruvian authorities organised an Incan ritual to thank the gods on Sunday as the major tourist attraction once again allowed visitors.
- But numbers will be restricted to just 675 tourists a day for safety reasons, around $30 \%$ of previous capacity.
- The citadel was designated a Unesco World Heritage site in 1983.
- Rediscovered in 1911 by a US explorer, the site is the most recognisable ruin from the Inca Empire, which dominated the Andes from the 1430s until the 1530s.
- Archaeologists believe Machu Picchu, meaning old mountain in Quechua, was built as an estate in the 15th century for the Incan emperor Pachacuti.
- It was abandoned a century later when Spanish invaders conquered and colonised the region.

143. Ans. A.

- The RBI mandated a move towards interoperable QR codes. Bharat QR and UPI QR-the two interoperable codes available-will continue, any proprietary codes will need to be phased out by March 2022, and any new QR codes introduced will need to accepted across payment options.
- The RBI's decisions followed the recommendations of a committee set up to assess the potential of QRcode payments.
- The committee, in its report in July, cited China's successful experience with QR codes.
- In India, QR codes gained popularity in the months after demonetisation, when Paytm rolled out its code-based payments across the country.
- Except Paytm's QR codes were proprietary and could use be used only via the Paytm app. Since then, PhonePe, Mobikwik, Razorpay, Freecharge and many others have pushed QR code-based payments to capture transactions made by small and informal merchants, like kir 144. Ans. A.
- The world's longest serving warship, INS Viraat, which has been the Indian Navy's prized asset for decades, will be dismantled at Alang, three years after it was decommissioned by the Indian Navy.
- This Centaur-class aircraft carrier of Indian Navy that remained in service for three decades and holds the Guinness record for the world's longest-serving warship will be dismantled at the world's largest ship breaking yard Alang in Gujarat. 145. Ans. B.
- Distributed ledger technology (DLT) is a digital system for recording the transaction of assets in which the transactions and their details are recorded in multiple places at the same time. Unlike traditional databases, distributed ledgers have no central data store or administration functionality.
- In a distributed ledger, each node processes and verifies every item, thereby generating a record of each
item and creating a consensus on each item's veracity.
- A distributed ledger can be used to record static data, such as a registry, and dynamic data, i.e., transactions.
- This computer architecture represents a significant revolution in record-keeping by changing how information is gathered and communicated.

146. Ans. A.

- As per the RBI, SBICAP, the capital markets wing of State Bank of India (SBI), will set up a special purpose vehicle (SPV) to purchase the short-term papers, maturing within three months and rated as investment grade, from nonbanking financial companies (NBFCs).

147. Ans. A.

- Lewis Hamilton is a formula one driver from United Kingdom
- Lewis Hamilton started dreaming about becoming a Formula One driver at the age of six, when his father Anthony bought him his first go-kart for Christmas. His passion for racing only grew stronger after that, and his dad supported him every step of the way.
- He used to work as IT manager at the time, but decided to bet on his son after seeing how determined and passionate he was. After taking redundancy from his job, Anthony invested all his hard-earned money into his son's future, and often worked three jobs to make ends meet.

148. Ans. B.

- The solicitor general of India is appointed to assist the attorney general along with four additional solicitors general by the Appointments Committee of the Cabinet.
- The proposal for appointment of Solicitor General, Additional Solicitor General is generally moved at the, level of Joint secretary/Law Secretary in the Department of Legal Affairs and after obtaining the approval of the Minister of Law \& Justice, the proposal is sent to the Appointments Committee of the Cabinet for its approval.
- He is appointed by the President of India.

149. Ans. A.

- Manipal Hospitals, the multispecialty healthcare providers, today announced its intent to acquire 100\% stake in Columbia Asia Hospitals Private Limited for over Rs 2000 crore, sources told ET. - The integrated entity will ensure improved access and address the growing demand for high quality tertiary and quaternary healthcare in the country.

150. Ans. B.

Interceptor Boat 'ICGS C-454', that has been built by Larsen and Toubro, was launched into the service of the Coast Guard. The newly-built boat of the Indian Coast Guard (ICG) was launched in Surat, as per the recent notification from the Defence Ministry. It has a length of 27 meters and a maximum speed
of 45 nautical miles or 83 kilometers per hour.
151. Ans. E.

* Indian Coast Guard's (ICG) ship C-452, designed and built by Larsen \& Toubro was commissioned on 3 November 2020.
* The ICGS C-452 ship was indigenously built in India under the Make in India initiative.
* Indian Coast Guard is an armed force and maritime law enforcement agency established in 1978 under the Coast Guard Act 1978.
* CG operates under Ministry of Defence.
* Indian Coast Guard works in close operation with the State Police Forces (SPF), Department of Revenue, Department of Fisheries and Indian Navy.
* The 4 main regional headquarters of Indian Coast Guard are located in Port Blair (South Andaman Island), Mumbai, Kolkata, Chennai and Gandhinagar (Gujarat).

152. Ans. A.
> * IDFC First Bank is an Indian banking company with headquarters in Mumbai that forms part of IDFC, an integrated infrastructure finance company.
> * The bank started operations on 1 October 2015. IDFC FIRST received a universal banking licence from the Reserve Bank of India in July 2015.
153. Ans. D.

The authorised capital of a company (sometimes referred to as the authorised share capital, registered capital or nominal capital, particularly in the United States) is the maximum amount of share capital that the company is authorised by its constitutional documents to issue (allocate) to shareholders.
154. Ans. B.

* CSIR Institute of Genomics and Integrative Biology is a scientific research institute devoted primarily to biological research.
* It is a part of Council of Scientific and Industrial Research, India.
* The main IGIB campus is located at Mall Road, New Delhi near Delhi University North Campus.

155. Ans. B.

* As per the announcement made by the Reserve Bank of India (RBI) the India Post Payment Bank (IPPB) has been included in the Second Schedule to the Reserve Bank of India Act, 1934 vide Notification DBR. 156. Ans. A.
* Reserve Bank of India (RBI) has issued a draft framework for grant of recognition to an industry association as a Self-Regulatory Organisation (SRO) for Payment System Operators (PSOs).
* The SRO shall cover operators in all segments of payment
systems and will be expected to observe best practices on security, customer protection and competitiveness.
* The SRO shall serve as a twoway communication channel between the PSOs and Reserve Bank and work towards establishing minimum benchmarks and standards in the payments space, apart from helping disciplined behaviour by members.

157. Ans. A.

* The Securities and Exchange Board of India (Sebi) has enhanced the penalty against three rating agenciesICRA,CARE and India Ratings and Research to Rs 1 crore each for their lapses in giving credit rating to non- convertible debentures of IL\&FS.
* It has shaken up the investors' faith in the reliability of credit ratings in the context of the corporate debt market. Had the Noticee downgraded the ratings at the appropriate time and thereby forewarned the investors, the impact of the default on investors who invested in AAA rated instruments, could not have been this severe," Sebi whole time member $G$ Mahalingam said in his order. Sebi passed three separate orders on Tuesday in the matter.

158. Ans. B.

* The Cabinet Committee on Economic Affairs chaired by Prime Minister Shri Narendra Modi has approved the investment of Rs. 1810.56 crore for $\mathbf{2 1 0}$ MW Luhri Stage-I Hydro Electric Project located on river Satluj which is situated in Shimla \&Kullu districts of Himachal Pradesh.

159. Ans. B.

* The Goods and Services Tax (GST) has come into force w.e.f. 1st July, 2017. GST is a tax on supply of Goods or Services or both except on supply of alcoholic liquor for human consumption.
* Revised Estimate of CGST and IGST for FY 2019-20 are..`.5,14,000 Crore and 'nil' respectively as against their
* BE of Rs 5,26,000 crore and Rs. 28,000 Crore respectively.
* B.E. for FY 2020-21 of CGST and IGST are Rs. 5,80,000 Crore and 'nil' respectively.
* IGST revenue is subject to apportionment and fund settlement between Centre and States, as a result of crossutilization of credits. * RE 2019-20 and BE 2020-21 with regard to GST compensation cess are Rs 98,327 crore and Rs $1,10,500$ crore respectively. 160. Ans. B.
- In India, the National Pollution Control Day is observed every year on December 2 to commemorate the life of people lost in the unfortunate incident of Bhopal Gas

Tragedy that occurred in the year 1984 on the night of 2-3 December. - The year 2020 marks the 36th anniversary of the Bhopal Gas Tragedy.

- Through this day, awareness is created about the rising pollution of air, water, and soil, as well as shifts the attention of people with regards to the pollution control acts.

161. Ans. B.

Disk formatting is the process of preparing a data storage device such as a hard disk drive for initial use.
It is the process of dividing the disk into tracks and sectors.
162. Ans. C.

The shortcut key - F7 helps the user to check spelling and grammar of the selected text or document.
163. Ans. D.

- Ctrl+C is used to copy selected item.
- Ctrl+B is used to change selected text to be bold.
- $\mathrm{CtrI}+\mathrm{N}$ is used to create a new or blank document in some software, or open a new tab in most Internet browsers.
- Ctrl+A is used to select all text. 164. Ans. D.
- The protocol used for sending an email is SMTP - Simple Mail Transfer Protocol.
-HTTP - Hyper Text Transfer Protocol is used for data communication.
- FTP - File Transfer Protocol is used for the transfer of computer files
between a client and a server on a computer network.
-POP-3: Post Office Protocol, the most recent version, is used to retrieve e-mail from a server in an Internet Protocol network.

165. Ans. B.

Hypertext transfer control protocol is an application for an information system based on distributed, collaborative and hypermedia. It is used in web server applications.
Wireless application protocol is a standard protocol for accessing any information from a wireless mobile network.
File transfer protocol is a network protocol to transfer computer files in any computer network between any client and server.
Transmission control protocol is a basic communication language or protocol of the internet. It is having two version of internet protocol four and six.
166. Ans. A.

The Hypertext Transfer Protocol (HTTP) is an application protocol for distributed, collaborative, hypermedia information systems. HTTP is the foundation of data communication for the World Wide Web.
167. Ans. A.

- For converting decimal to binary number the decimal number is to be divide-by-2 to give a result and a remainder of either a " 1 " or a " 0 " until the remainder equals zero.
- On converting decimal number 101, we get 1100101 binary number.

168. Ans. D.

The control unit (CU) is a component of a computer's central processing unit (CPU) that directs operation of the processor. It tells the computer's memory, arithmetic/logic unit, input and output devices how to respond to a program's instructions.
169. Ans. C.

Electrically erasable programmable read-only memory (EEPROM) is a special type of PROM that can be erased by exposing it to an electrical charge. Like other types of PROM, EEPROM retains its contents even when the power is turned off.
170. Ans. B.

Half-duplex data transmission means that data can be transmitted in both directions on a signal carrier, but not at the same time. 171. Ans. D.

The control unit (CU) is a component of a computer's central processing unit that directs operation of the processor. It tells the computer's memory, arithmetic/logic unit and input and output devices how to respond to a program's instructions.
172. Ans. A.

A set of step-by-step procedures for accomplishing a task is known as an algorithm.
An algorithm is a procedure or formula for solving a problem.

Note:- The word derives from the name of the mathematician, Mohammed ibn-Musa al-Khwarizmi. 173. Ans. B.

BIOS (basic input/output system) is the program a personal computer's microprocessor uses to get the computer system started after you turn it on. It also manages data flow between the computer's operating system and attached devices such as the hard disk, video adapter, keyboard, mouse and printer.
174. Ans. C.

Data processing is, broadly, the collection and manipulation of items of data to produce meaningful information.
175. Ans. C.

An Operating System (OS) is the system software that manages computer hardware and software resources and provides common services for computer programs. The operating system is a component of the system software in a computer system. Application programs usually require an operating system to function.
176. Ans. C.

Index sequential files are ordered sequentially on some search key and a primary index is associated with it.
177. Ans. B.

Rich text supports text formatting, such as bold, italics, and underlining, as well as different fonts, font sizes, and colored text.
Note: Rich text documents can also include page formatting options,
such as custom page margins, line spacing, and tab widths.
178. Ans. B.

A motherboard is one of the most essential parts of a computer system. It holds together many of the crucial components of a computer, including the central processing unit (CPU), memory and connectors for input and output devices.
Note: The base of a motherboard consists of a very firm sheet of nonconductive material, typically some sort of rigid plastic.
179. Ans. C.

Software Processes include those activities, methods, practices and transformations that are used to create and maintain software products.
180. Ans. B.

A page has 4 margins - Top, bottom, right and left. These margins can be adjusted according to the user's requirements.
181. Ans. E.
-Optical character recognition (OCR) is the mechanical or electronic conversion of images of typed, handwritten or printed text into machine-encoded text.

- It is widely used as a form of data entry from printed paper data records, whether passport documents, invoices, bank statements, computerized receipts, business cards, mail, printouts of static-data or any suitable documentation.

182. Ans. B.

A supercomputer is a computer with great speed and memory. This kind of computer can do jobs faster than any other computer of its generation. They are usually thousands of times faster than ordinary personal computers made at that time.
183. Ans. C.

A password is an unspaced sequence of characters used to determine that a computer user requesting access to a computer system is really that particular user.
Note:- In order to verify that someone entering that user ID really is that person, a second identification, the password known only to that person and to the system itself, is entered by the user.
184. Ans. A.

The main purpose software $\mathbf{Q A}$ testing is to find error and bugs in the code and eliminate them. In doing so, this assures the solution designed will not fail and work effectively and carry out the functions needed by the client to fulfill the need for the solution.
185. Ans. A.

Cookies are small files which are stored on a user's computer. They are designed to hold a modest amount of data specific to a particular client and website, and can be accessed either by the web server or the client computer.
186. Ans. B.

The main purpose of a primary key is to implement a relationship between two tables in a relational database.
187. Ans. A.

Access control based on a person's fingerprints is an example of biometric identification. Biometrics refers to metrics related to human characteristics. Biometrics authentication is used in computer science as a form of identification and access. It is also used to identify individuals in groups that are under surveillance. 188. Ans. B.

Query and reporting components implement the functionality to select, filter, view and present business data in a variety of readable formats.
189. Ans. C.

A graphical user interface (GUI) is a type of interface that allows users to interact with electronic devices through graphical icons and visual indicators such as secondary notation, as opposed to text-based interfaces typed command labels. 190. Ans. E.

Access Speed is the average amount of time it takes for a floppy drive, hard drive, CD drive, or other drive to find any particular piece of data on a disk and send it to your PC.
Note: Access speed is typically listed in milliseconds (ms).

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191. Ans. E.
"Unsolicited Email" is Spam, which means an unwanted email message that forcing the recipient to assume the cost of receiving, storing and removing it from one's email box.
192. Ans. C.

In computer science, the general meaning of input is to provide or give something to the computer. Input devices are used for sending instructions to the computer.
193. Ans. E.

Main objective of the firewall is to control the incoming and outgoing network traffic by analyzing the data packets and determining whether it should be allowed through or not, based on the predetermined rule set.
194. Ans. A.

Toolbars contain small outlined areas called buttons that provide shortcuts for quick access to commonly used commands.
195. Ans. E.

ToggleKeys is a feature of Microsoft Windows. It is an accessibility function which is designed for people who have vision impairment or cognitive disabilities. When ToggleKeys is turned on, the computer will provide sound cues when the locking keys (Caps Lock, Num Lock, and Scroll Lock) are pressed. A high-pitched sound plays when the keys are switched on and a low-pitched sound plays when they are switched off.
196. Ans. A.

Microsoft Windows is a meta family of graphical operating systems developed, marketed and sold by Microsoft. It consists of several families of operating systems, each of which cater to a certain sector of the computing industry.
197. Ans. D.

HTML (Hypertext Markup Language) is the set of markup symbols inserted in a file intended for display on a World Wide Web browser page.
Note:- The markup tells the Web browser how to display a Web page's words and images for the user.
198. Ans. D.

The Program counter is an incrementing counter that keeps track of the memory address of the instruction that is to be executed next.
199. Ans. B.

To connect networks of similar protocols Bridges are used.
A network bridge is a network device that connects multiple network segments. In the OSI model, bridging is performed in the first two layers, below the network layer.
200. Ans. A.

The advantage of a LAN is sharing peripherals. Workstations can share peripheral devices like printers. This is cheaper than buying a printer for every workstation.

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