BYJU'S EXAM PREP

ECGC PO EXAM 2022

Memory-based Questions

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Direction: In this question, three columns (I, II and III) and three sentences are given, which are divided into three parts. Column I (A, B and C) consists of first half of each sentence and it is fixed. Column II (D, E and F) and Column III (G, H and I) consist of the remaining half of each sentence. Match column I with column II and III, so that the sentences formed are both meaningful and grammatically correct. Choose the correct option as your answer.

1.

Column I

a) Stockbrokers on Wall Street attempted to extrapolate

b) While the business plan sounds

c) Because of the security debacle at last week's basketball game,

Column II

a) because happiness has nothing to do with wealth.

b) fans are no longer allowed to

c) the future of the stocks by

Column III

a) looking at what was trending last week

b) take backpacks into the arena.

c) good on paper, it is built on the fallacy

A. A-D
B. A-F
C. C-E
D. A-D, C-E
E. A-F-G, C-E-H

2.The lapse rate of the atmosphere is

A. 4^0 C for every 100m
B. 6.5^0 C for every 1500m
C. 1^0 C for every 165m
D. 1^0 C for every 111m

3.

a) I am studying this book since 9 o'clock in the morning and I am about to finish.

b) The first whales on Earth had four limbs, which looked something like large dogs and lived a part of their lives on land.

c) The government must work to involve locals, not just international energy giants, in development for sustainable energy for the country.

A. Only A
B. Only B
C. Both A and B
D. Both B and C
E. All are incorrect

4.a) The charioteer brought us to a gigantic palace glittering of gold and precious stones.

b) In paleontology, some fossil is given a unique number for the sake of traceability.

c) Once the floods sets in for two to three months, everything comes to a standstill in those districts.

A. Only A
B. Only B
C. Both A and B
D. Both B and C
E. All are incorrect

Direction: Two sentences with one blank in each, followed by five alternatives, are given. Choose that option as the answer which can fill both the blanks of both the sentences.

5.

I. I will make a batch of cookies _____.

II. After I get paid, I'll have enough _____ to go to the arcade.

A. Dough
B. Pile
C. Dapper

D. Impose
E. Clutter

6.I. The rats crept through the _____.
II. She is a fine _____ and fixed my torn dress.
A. Crux
B. Sewer
C. Shrink
D. Yawn
E. Sink

7.I. They _____ up the toy as soon as they got it.
II. She received a _____ from the punch.
A. Sorrow
B. Wound
C. Reward
D. Puzzle
E. Sword

Direction: Select the phrase/connector from the given options which can be used to form a single sentence from the two sentences given below. The single sentence thus formed must imply the same meaning as expressed in the question statements.
8.
The engineers said that the bridge was now safe. No one wanted to risk crossing it.
I. Also
II. When
III. However
A. Only I
B. Only II
C. Only III
D. Both II and III
E. Both I and II

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 or more of these words may be incorrect and need to be exchanged to make the sentence correct. Find the words which need to be exchanged. In case the given sentence is correct, your answer is (E), i.e. 'No exchange required'.
9.
The lawyer faced **serious (1)** charges for **indiscretion (2)** attorney-client privilege after his **breaking (3)** in **revealing (4)** his client's secret.
A. 1-2
B. 2-3 and 1-4
C. 2-4
D. 2-3
E. No exchange required

10.It was **ailing (1)** to witness my **heartbreaking (2)** grandmother's **delusion (3)** that her **deceased (4)** husband was alive.
A. 1-2
B. 2-3 and 1-4
C. 2-4
D. 2-3
E. No exchange required

Direction: In the following question two equations are given in variables x and y. You have to solve these equations and determine the relation between x and y.
11.
I. $x^3 - 3375 = 0$
II. $y^2 - 21y + 90 = 0$
A. $y > x$
B. $x > y$
C. $x \leq y$
D. $x \geq y$
E. $x = y$ or no relation can be established

12.I. $x^2 - 41x + 78 = 0$
II. $2y^2 - 13y + 18 = 0$

A. y > x
B. x > y
C. x ≤ y
D. x ≥ y
E. x = y or no relation can be established

13.I. $3x^2 + 10x - 48 = 0$
II. $y^2 - 15y + 50 = 0$
A. y > x
B. x > y
C. x ≤ y
D. x ≥ y
E. x = y or no relation can be established

Direction: What should come in place of the question mark (?) in the following number series?
14.
26, 32, 44, 62, ?, 116
A. 82
B. 86
C. 92
D. 94
E. 102

15.15, ? 34, 105, 424, 2125
A. 20
B. 18
C. 12
D. 16
E. 10

16.17, 21, 51, 169, 701, ?
A. 3639
B. 2586
C. 3541
D. 1949
E. 3142

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.)
17.
24.97% of 519.98 + ? + 43.91 = 246
A. 72
B. 87
C. 68
D. 58
E. 76

18. $\sqrt{1024.002} \times \sqrt{728.98} = ? + 21.011^2$
A. 584
B. 423
C. 535
D. 450
E. None of these

19.Ratio between the speed of a boat in still water to the speed of current is 4 : 1 . If the time taken by boat to cover D km upstream is 5 hours 36 minutes more than the time taken by boat to cover D km downstream, find the value of D .
A. 42
B. 126
C. 84
D. 63
E. Cannot be determined

20.Ram has two articles costing Rs. P each. He marked first article 80% above the cost price and offers 40% discount. He marked second article 60% above the cost price and offers 20% discount. If the difference between the selling prices of two articles is Rs. 80, what is the value of P?
A. 360
B. 550
C. 400
D. 600

E. 625

Direction: In the following questions assuming the given statement to be true, find which of the conclusion(s) among the given conclusions is/are definitely true, and then give your answers accordingly

21.

Statements:

P>R=Q ≤ S; T >Q > V ≤ U ≥ X

Conclusions:

I. P >V

II. T< R

III. X ≤ S

A. Only III

B. Only I

C. Only II

D. Both II and III

E. None of the above

22.**Statements**:

A ≥ B ≤ C ≤ D ; F >G >B ≥ H

Conclusions:

I. C < G

II.A >F

III. H ≥ D

A. Only II

B. Both I and III

C. Both II and III

D. Both I and II

E. None follows

23.**Statements**:

K < L ≤ M ≤ N =O ;P ≥ M < Q

Conclusions:

I. N ≥ Q

II. O ≥ L

III. K > P

A. Only II

B. Both I and III

C. Both II and III

D. Both I and II

E. None of the above

24.Point M is 10m west of Point Q. Point N is 11m north of Point M . Point O is 6m East of point N. Point P is 15m South of Point O . Point R is 12m North of Point P . Point S is 6m West of Point R. How far and in which direction is Point S from Point N .

A. 3m, North

B. 4m. North

C. 3m, South

D. 4m, East

E. None of these

Direction: The question has some statements followed by five conclusions, one of which definitely follows the given statements. That conclusion is your Answer ||| Select that option.

25.

Statements:

Only a few Traps are Stairs

No Stairs are Ladder

All Ladders are Nail

A. Some Traps are Nail

B. No Stair is Nail

C. Some Nails are not Stairs

D. No Ladder is Trap

E. Some Nails are Stairs

26.**Statements**:

All Lotions are Powder

Only a few Powders are Range

No Range is Show

A. Some Powder is not Range

B. No Show is Lotion

C. Some Ranges are not Powder

D. No Lotion is Range

E. All Powder being Show is a possibility

Direction: Read the following information carefully and answer the questions given below.

A certain number of people sit in a row facing north. All the people like different fruits. U sits third from the extreme end of the row. Two people sit between U and the one who likes Banana. Four people sit between the one who likes Banana and Z. Z sits to the right of the one who likes Banana. Five people sit between the one who likes Orange and Z. The one who likes Orange is not a neighbour of the one who likes Banana. L sits third to the right of Z. M sits third to the right of the one who likes Orange. Q sits third to the left of M. Five people sit between Q and O. O sits at one of the extreme ends of the row.

27.
How many persons are there in the given arrangement?
A. 20
B. 21
C. 22
D. 23
E. None of these

28.How many persons are sitting to the right of the one who likes Orange?
A. 7
B. 8
C. 6
D. 9
E. None of these

29.What is the position of the one who likes banana with respect to Z?
A. Fifth to the right.
B. Fifth to the left.
C. Sixth to the right.
D. Sixth to the left.
E. None of these.

30.How many people are sitting between L and the one who sits fifth to the left of Z?
A. Four
B. Five
C. Six
D. Seven
E. Nine

31.The central government has mandated that vehicle makers must manufacture, sell and register only BS-VI (BS6) vehicles from_____.
A. April 1, 2020
B. January 1, 2021
C. April 1, 2021
D. October 1, 2021
E. January 1, 2022

32.HSBC holding is a bank based in which country?
A. Singapore
B. Japan
C. Germany
D. United Kingdom
E. Canada

33.How many teams will participate in FIFA World Cup 2026?
A. 32
B. 34
C. 42
D. 48
E. 52

34.Which is the latest mission forming part of NASA's Mars Exploration program?
A. Curiosity Rover
B. Mars Global Surveyor
C. Perseverance Rover
D. Mars Pathfinder
E. None of the above

35.The Centre has completed asset monetization worth Rs 96,000 crore during FY22, surpassing the target of _____.
A. Rs. 96000 crore

B. Rs. 75000 crore
C. Rs. 88000 crore
D. Rs. 168000 crore
E. Rs. 152000 crore

36.According to Hurun Global Healthcare Rich List of 2022, Cyprus Poonawala is ranked as _____ richest Healthcare Billionaire.
A. First
B. second
C. third
D. fourth
E. fifth

37.INS Vagsheer is _____ scorpene class submarine of India?
A. second
B. third
C. fourth
D. fifth
E. sixth

38.Anti-Trust Law in India falls under the purview of _____.
A. Enforcement Directorate
B. Competition Commission of India
C. Securities and Exchange Board of India
D. Reserve Bank of India
E. Central Board of Investigation

39.Who is the author of the book Mrs. Funnybones?
A. Ekta Kapoor
B. Neena Gupta
C. Twinkle Khanna
D. Rani Mukherjee
E. Vidya Balan

40.What is the total food grain production target for the year 2022-23?
A. 310 MT
B. 328 MT
C. 318 MT
D. 348 MT
E. 330 MT

41.Asia's largest international food and hospitality fair, AAHAR-2022 has been hosted by _____.
A. APEDA
B. FSSAI
C. NAFED
D. FCI
E. None of the above

42.What does happen in RAM when a computer is turned off?
A. Operating System
B. BIOS
C. Software Application
D. Data loss in RAM
E. None of these

43.The .xls extension is used for _____files.
A. Windows
B. Access
C. PowerPoint
D. Word
E. Excel

44.What happens when you press Ctrl + V key?
A. A Capital V letter is typed into your document at the cursor point
B. The selected item is pasted from the clipboard
C. The selected item is copy to the clipboard
D. The selected drawing objects are distributed vertically on the page.
E. None of these

45.Which of the following is an operating system?
A. Compiler
B. Plotter
C. Mac

D. Both (1) and (2)
E. All of the above

46._____is the process of moving up a particular website to the top of the search engine results.
A. Affiliate Marketing
B. Search engine optimization
C. Digital marketing
D. Outbound Marketing strategy
E. None of these

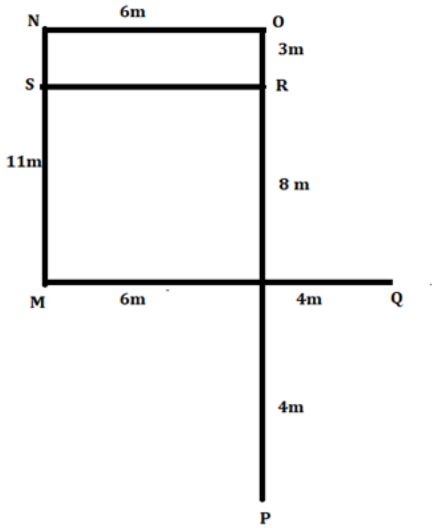
###ANSWERS###

1. Ans. E.
The correct answer is E.
2. Ans. C.
The dry adiabatic lapse rate for the Earth's atmosphere equals **9.8 °C** per kilometre (28.3 °F per mile); thus, the temperature of an air parcel that ascends or descends 5 km (3 miles) would fall or rise 49 °C (85 °F), respectively.
3. Ans. B.
In statement A, the first part of the sentence has an error in it. Instead of 'am', 'have been' should be used in this sentence. So, the correct sentence will be, "I have been studying this book since 9 o'clock in the morning and I am about to finish."
In statement C, the correct sentence would be "… in developing sustainable energy for the country." Development here has to be used in its adjective sense and not in its noun sense as the noun in the sentence is 'sustainable energy.'
And the third statement is absolutely right, So, the correct option is B.
4. Ans. E.
The correct answer is E.
5. Ans. A.
Option A is the correct answer. Dough means:
a. a mixture of flour, water, etc. used for baking into bread, etc.
b. Money
First meaning fits the first blank and the second fits the second.
6. Ans. B.
The correct answer is B
7. Ans. B.
The correct answer is B.
8. Ans. C.
The correct sentence is "The engineers said that the bridge was now safe, however no one wanted to risk crossing it."
9. Ans. D.
The correct answer is D
10. Ans. A.
The correct answer is A.
11. Ans. D.
I. $x^3 - 3375 = 0$
$\Rightarrow x^3 = 3375$
$\Rightarrow x = 15$
II. $y^2 - 21y + 90 = 0$
$\Rightarrow y^2 - 15y - 6y + 90 = 0$
$\Rightarrow y(y - 15) - 6(y - 15) = 0$
$\Rightarrow (y - 15)(y - 6) = 0$
$\Rightarrow y = 15, 6$
Hence, $x \geq y$.
12. Ans. E.
I. $x^2 - 41x + 78 = 0$
$\Rightarrow x^2 - 39x - 2x + 78 = 0$
$\Rightarrow x(x - 39) - 2(x - 39) = 0$
$\Rightarrow (x - 39)(x - 2) = 0$
$\Rightarrow x = 39, 2$
II. $2y^2 - 13y + 18 = 0$
$\Rightarrow 2y^2 - 4y - 9y + 18 = 0$
$\Rightarrow 2y(y - 2) - 9(y - 2) = 0$
$\Rightarrow (y - 2)(2y - 9) = 0$
$\Rightarrow y = 2, \frac{9}{2}$
Hence, no relation can be established.
13. Ans. A.
I. $3x^2 + 10x - 48 = 0$
$\Rightarrow 3x^2 + 18x - 8x - 48 = 0$
$\Rightarrow 3x(x + 6) - 8(x + 6) = 0$
$\Rightarrow (x + 6)(3x - 8) = 0$
$\Rightarrow x = -6, \frac{8}{3}$
II. $y^2 - 15y + 50 = 0$
$\Rightarrow y^2 - 10y - 5y + 50 = 0$
$\Rightarrow y(y - 10) - 5(y - 10) = 0$
$\Rightarrow (y - 10)(y - 5) = 0$
$\Rightarrow y = 10, 5$
Hence, $y > x$.

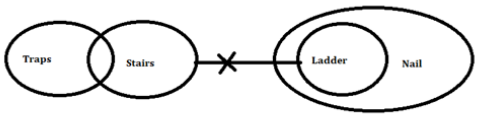
14. Ans. B.
The pattern of the series is:
26 + 6 = 32
32 + 12 = 44
44 + 18 = 62
62 + 24 = 86
86 + 30 = 116
Hence, the missing number is 86.
15. Ans. D.
The pattern of the series is:
15 × 1 + 1 = 16
16 × 2 + 2 = 34
34 × 3 + 3 = 105
105 × 4 + 4 = 424
424 × 5 + 5 = 2125
Hence, the missing number is 16.
16. Ans. C.
The pattern of the series is:
17 × 1 + 2^2 = 21
21 × 2 + 3^2 = 51
51 × 3 + 4^2 = 169
169 × 4 + 5^2 = 701
701 × 5 + 6^2 = 3541
Hence, the missing number is 3541.
17. Ans. A.
24.97% of 519.98 + ? + 43.91 = 246
By approximation, we get:
25% of 520 + ? + 44= 246
⇒ 130 + ? + 44= 246
⇒ ? = 246 – 174 = 72
18. Ans. B.
$\sqrt{1024.002} \times \sqrt{728.98} = ? + 21.011^2$
By approximation, we get:
$\sqrt{1024} \times \sqrt{729} = ? + 21^2$
⇒ 32 × 27 = ? + 441
⇒ ? = 864 – 441 = 423
19. Ans. E.
5 hours 36 minutes = $5\frac{3}{5}$ hours = $\frac{28}{5}$ hours
Let the speed of boat and current be 3x km/h and x km/h respectively.

$$\frac{D}{4x-x} - \frac{D}{4x+x} = \frac{28}{5}$$
$$\Rightarrow \frac{D}{3x} - \frac{D}{5x} = \frac{28}{5}$$
$$\Rightarrow \frac{2D}{15x} = \frac{28}{5}$$
$$\Rightarrow \frac{D}{x} = 42$$

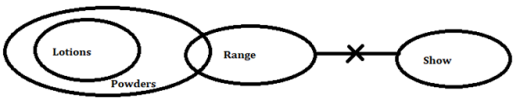
Since the value of x is not known therefore D cannot be determined.
20. Ans. C.
Selling price of first article = 60% of 180% of P = 108% of P
Selling price of second article = 80% of 160% of P = 128% of P
128% of P – 108% of P = 80
⇒ 20% of P = 80
$$\Rightarrow \frac{P}{5} = 80$$
⇒ P = 400
21. Ans. B.
Only I follows
22. Ans. E.
None follows
23. Ans. A.
Only II follows
24. Ans. C.



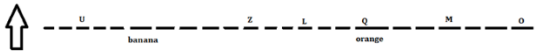
25. Ans. C.



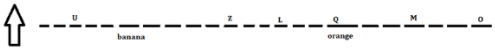
26. Ans. A.



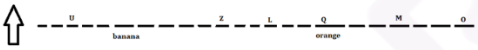
27. Ans. D.



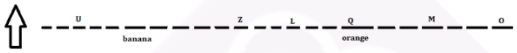
28. Ans. C.



29. Ans. B.



30. Ans. D.



31. Ans. A.

• The central government has mandated that vehicle makers must manufacture, sell and register only BS-VI (BS6) vehicles from April 1, 2020. The first emission norms were introduced in India in 1991 for petrol and in 1992 for diesel vehicles.

32. Ans. D.

• HSBC Holdings PLC, bank holding company based in London that originated as the Hongkong and Shanghai Banking Corporation, Ltd., in 1865, with offices in Hong Kong, Shanghai, and London. It was established at a time of growing trade between China, India, and Europe.

33. Ans. D.

• The 2026 FIFA World Cup will be staged in Canada, Mexico, and the United States. Football's most prestigious tournament will be played with 48 teams.

34. Ans. C.

• Mars 2020 is a Mars rover mission forming part of NASA's Mars Exploration Program that includes the rover Perseverance and the small robotic helicopter Ingenuity.

• NASA's Mars 2020 Perseverance rover will look for signs of past microbial life, cache rock and soil samples, and prepare for future human exploration.

35. Ans. C.

• The Centre has completed asset monetization worth Rs 96,000 crore during FY22, surpassing the target of Rs 88,000 crore.

• For FY23, it has set itself a goal of Rs 1.62 trillion and already has a pipeline of assets worth Rs 1.6 trillion under advanced stages of implementation

36. Ans. A.

• The Chairman and Managing Director of Serum Institute of India(SII), Dr Cyrus S. Poonawalla has topped the Hurun Global Healthcare Rich List 2022 with a new value of USD 26 billion (up 41%).

• He is followed by Thomas Frist Jr & Family of HCA Healthcare, Li Xiting and Xu Hang of Mindray (Net value of USD 19 billion).

• China (34) followed by the USA (16), Switzerland (15), Germany (11), and India (9) has the most healthcare industry, billionaires.

37. Ans. E.
• Yard 11880, the sixth and last submarine 'INS Vagsheer' of the Indian Navy's Kalvari class submarines of Project 75 has been launched at the Kanhoji Angre Wet Basin of Mazagon Dock Limited (MDL).
• The first of the Project - 75 submarines was commissioned into the Navy in December 2017 and presently four submarines (INS Kalvari, INS Khanderi and INS Karang, and INS Vela) of this Project are in commission in the Indian Navy.
• The fifth submarine 'INS Vagir' is progressing with the Sea Trials and is likely to be delivered this year.
• The sixth submarine will now commence setting to work of various equipment and their harbour trials.
• The submarines are being manufactured at Mazagon Dock Shipbuilders Limited (MDL) in collaboration with Naval Group, France.
38. Ans. C.
• The statutory body of the Government of India responsible for enforcing the Act and promoting competition throughout India and preventing activities that have an AAEC on competition is the Competition Commission of India ("CCI").
39. Ans. C.
• Twinkle Khanna has authored the book titled Mrs. Funnybones.
40. Ans. B.
• Union Agriculture Minister, Sh Narendra Singh Tomar inaugurated National Conference on Agriculture for Kharif Campaign 2022-23 at NASC Complex, New Delhi.
• As per 2nd Advance Estimates (2021-22), total foodgrains production in the country is estimated at 3160 lakh tonnes which will be an all-time record. The pulses and oilseeds production will be 269.5 and 371.5 lakh tonnes, respectively.
• As per third advanced estimates, horticulture production during 2020-21 is 3310.5 lakh tonnes which is the highest ever for Indian horticulture.
• The Conference set National targets for total food grain production set at 3280 lakh tonnes for the year 2022-23 compared to expected production of 3160 lakh tonnes during the current year.
41. Ans. A.
• Agricultural and Processed Food Products Export Development Authority (APEDA) in alliance with the India Trade Promotion Organization (ITPO) is organizing Asia's biggest international food and hospitality fair AAHAR 2022 in New Delhi.
• APEDA has also created stalls for exporters from the NorthEast Region, Himalayan states, women entrepreneurs, Start-Ups, and exporters of millets.
42. Ans. D.
Random-access memory (**RAM**) is a form of **computer data storage**. Anything contained in RAM is **considered lost** when a computer is switched off.
43. Ans. E.
The **.xls** extension is used for **Microsoft Excel.**
Note:- Microsoft Excel is a spreadsheet application developed by **Microsoft** for Microsoft Windows, Mac OS X, and iOS.
44. Ans. B.
Ctrl + V key can be used to paste text or other content (if supported) from the clipboard at the current cursor position. Ctrl + V was one of a handful of keyboard sequences chosen by the

program designers at Xerox PARC to control text editing.

45. Ans. C.

Mac OS is the computer operating system for Apple Computer's Macintosh line of personal computers and workstations

46. Ans. B.

Search engine optimisation is the process of moving up a particular website to the top of the search engine results. It is the process of getting quality traffic from the organic/ free results.

Thus, Option B is correct.

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