

IBPS RRB Clerk Mains 2022

Memory-based

Question PDF(24 Sept)

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Direction: Study the following data carefully and answer the questions accordingly.

6 people i.e., A, C, D, E, F and G having different posts i.e., CEO, CMD, ED, GM, DGM, AGM. Sequence of the posts are as above i.e. CEO is the senior most and AGM is the junior most person. They all are going to different cities. All the information is not necessarily in the same order.

A is GM and goes to Delhi. There is only one post between A and the one who goes to Pune. Number of people senior than the one who goes to pune is same as junior than G. The one who goes to Jaipur is junior than G. There are two posts between the one who goes to Jaipur and B. B is neither CMD nor AGM. F is senior than the one who goes to Mumbai. F is just junior than the one who goes to Bhopal. C goes to Surat.

1. Who amongst the following goes to Bhopal?

- A. C
- B. A
- C. G
- D. F
- E. None of the above

2. How many people are senior than the one who goes to Mumbai?

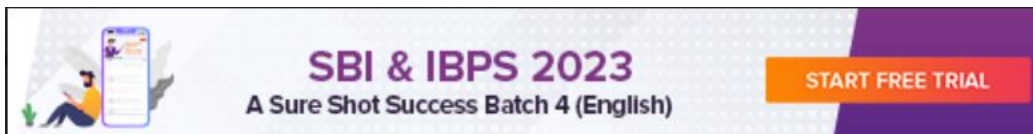
- A. One
- B. Three
- C. Four
- D. Two
- E. None

3. Which amongst the following is correct?

- I. E goes to Mumbai
 - II. The one who is CEO goes to Bhopal
 - III. The who is GM is senior than E
- A. Only II
 - B. Only III
 - C. Both I and III
 - D. Both II and III
 - E. All I, II and III

4. Who among the following is DGM?

- A. The one who goes to Mumbai
- B. The one who goes to Jaipur
- C. G
- D. The one who goes to Delhi
- E. None of the above



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5. How many posts are there between the one who goes to Surat and the one who goes to Pune?

- A. Three
- B. One
- C. None
- D. Two
- E. Four

Direction: Study the following data carefully and answer the questions accordingly.

Six people i.e., A, B, C, D, E, F are going for vacation on six different days of the week starting from Monday to Saturday. They all like different colours. All the information is not necessarily in the same order. Three people go between F and the one who likes Pink. The one who likes Pink goes after F. Two people go between A and the one who likes Pink. Two people go between B and the one who likes Brown. The one who likes Brown goes just before D. D does not go on Thursday. The one who likes White goes after E. The one who likes Black goes after the one who likes Red. F neither likes Red nor Green.

6. Who amongst the following goes on Wednesday?

- A. The one who likes Green
- B. The one who likes Red
- C. The one who likes Black
- D. The one who likes White
- E. None of the above

7. Who likes Red colour?

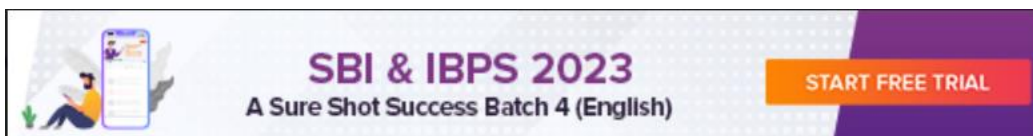
- A. E
- B. F
- C. B
- D. A
- E. None of the above

8. How many people go before the one who likes Pink?

- A. Three
- B. One
- C. More than three
- D. Two
- E. None

9. How many people go between D and the one who likes Red?

- A. One



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- B. Two
- C. Four
- D. Three
- E. None

10. The one who likes Black goes on which day?

- A. Saturday
- B. Monday
- C. Tuesday
- D. Wednesday
- E. None of these

11. What will come in place of question mark (?) to make the expressions $C < D$ and $D \geq T$ definitely true?

$$C = M \leq P \ ? \ S \leq D = W \geq E \ ? \ R \geq T > Y$$

- A. $<, >$
- B. $=, \geq$
- C. $\leq, =$
- D. $<, =$
- E. $>, \leq$

12. Who has become the 23rd Prime Minister of Pakistan after replacing Imran Khan?

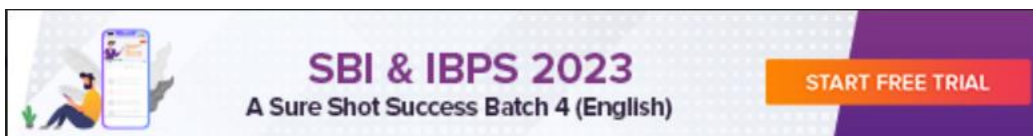
- A. Shah Mahmood Qureshi
- B. Shehbaz Sharif
- C. Sadiq Sanjrani
- D. Ayaz Sadiq
- E. Nawaz Sharif

13. The 2028 Summer Olympics will be held in which country?

- A. United States
- B. France
- C. Canada
- D. Italy
- E. Mexico

14. After the resignation of the former Lieutenant Governor, Anil Baijal, who among the following has been appointed as new Lieutenant Governor of Delhi?

- A. Aditya Kumar Anand
- B. Vinit Nandanwar
- C. Vinai Kumar Saxena
- D. Vishal Sarangal
- E. Yogesh Babanrao Nirgude



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15. Which of the following ministries implements the Prime Minister's Employment Generation Programme?

- A. Ministry of Skill Development and Entrepreneurship
- B. Ministry of Education
- C. Ministry of Micro Small and Medium Enterprises
- D. Ministry of Rural Development
- E. Ministry of Finance

16. In which city, PM Modi has inaugurated World's first Nano Urea (Liquid) Plant, to boost productivity and increase farmers' income?

- A. Chennai, Tamil Nadu
- B. Pune, Maharashtra
- C. Bhopal, Madhya Pradesh
- D. Ranchi, Jharkhand
- E. Gandhinagar, Gujarat

17. After defeating which country India has won the first-ever Thomas Cup in May 2022?

- A. Indonesia
- B. China
- C. South Korea
- D. Japan
- E. Bangladesh

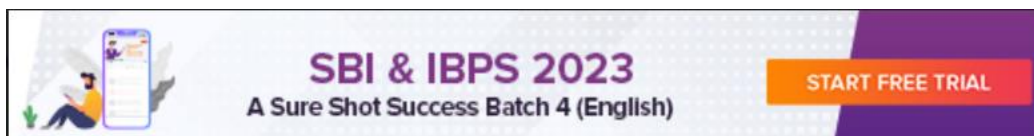
18. Who has been appointed as Chief Economic Advisor (CEA) to the government of India?

- A. MR Kumar
- B. Raj Kumar
- C. Ajay Tyagi
- D. V Anantha Nageswaran
- E. Subhash Chandra Garg

19. 11-day long 'Dhanu Jatra' is celebrated in which state of India?

- A. West Bengal
- B. Orissa
- C. Andhra Pradesh
- D. Tamil Nadu
- E. Karnataka

Direction: In the following question, a sentence with four words printed in bold is given. These words are numbered as (1), (2), (3) and (4). One of these four words may either be misspelt or inappropriate in the context of the sentence.



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Find out the word(s) that is wrongly spelt or inappropriate and mark the relevant option as your answer. If all the words printed in bold are correct, mark option (E), i.e. 'All are correct', as the answer.

20. There is **usually** (1) a time **lapse** (2) between **receipt** (3) of new **information** (4) and its publication.

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

21. The homeless man relies (1)/ on charity from strangers (2)/ since he didn't (3)/ have any means of supporting himself. (4)

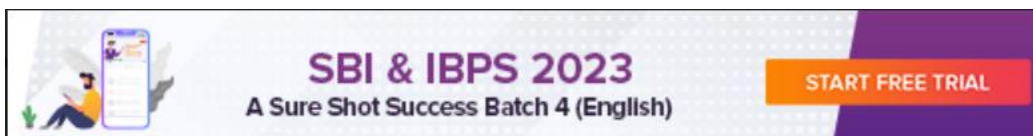
- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

22. The owners enclosed (1)/ their swimming pool (2)/ with a fence to stop (3)/ small children from falling out. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

23. The beauty queen thought (1)/ that the injections (2)/ she received enhanced her looks (3)/ and made her more pretty. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No Error



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Direction: A sentence with two blanks are given, indicating that something has been omitted. Choose the words that best fit in the blank making the sentence grammatically correct and meaningful.

24. Long-term _____ to certain drugs can _____ the body to the medicine and cause an allergic reaction.

- A. Revelation, damage
- B. Relation, ruin
- C. Exposure, sensitize
- D. Addiction, revitalize
- E. Inhalation, rejuvenate

25. It _____ like it was going to rain, but the grey clouds _____ passed, and the sun began to shine.

- A. Appeared, hastingly
- B. Was, amazingly
- C. Seemingly, slowly
- D. Seemed, quickly
- E. Forecasted, finally

26. The witness _____ the big-nosed suspect's face to the police so well _____ they sketched the perfect picture of him.

- A. Told, such that
- B. Described, that
- C. Narrated, as if
- D. Recited, and
- E. Gave, as

Direction: In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

27. a) was devised to help

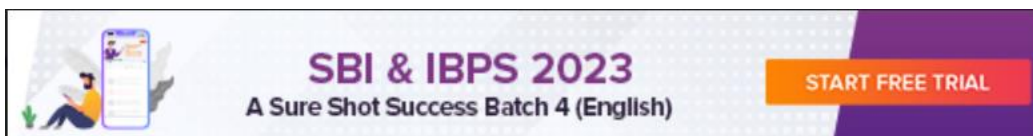
b) women drop several

c) a workout program

d) overweight men and

e) pounds quickly

- A. CBADE
- B. CADBE
- C. CDBEA
- D. CEADB
- E. CABED



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28. What is the base of hexadecimal number system?

- A. 2
- B. 8
- C. 16
- D. 10
- E. None of these

29. What year was Windows 7 released?

- A. 2009
- B. 2008
- C. 2007
- D. 2006
- E. None of these

30. The advantage of a LAN is _____.

- A. Sharing peripherals
- B. Backing up your data
- C. Saving all your data
- D. Accessing the Web
- E. Automatic printing of data

31. `` tag is used for _____.

- A. Main body of the page.
- B. Start a new line without a blank line in between
- C. Bold face any text between the tags
- D. web link
- E. none of these

32. Which of the following is a short-cut to "Undo Typing"?

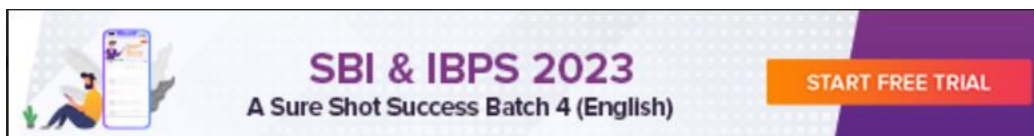
- A. Ctrl + P
- B. Ctrl+ Y
- C. Ctrl+ Z
- D. Ctrl+ S

33. First generation computer systems used

- A. Transistors
- B. Vacuum tubes
- C. Magnetic cores
- D. Silicon chips

34. Who invented 'www'?

- A. Robert E. Kahn



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- B. Charles babbage
- C. Vint Cerf
- D. Tim Berners-Lee

35. Ctrl + A is used

- A. to select all text
- B. to save current document file
- C. to copy selected item
- D. to insert hyperlink for selected text

36. A started a business by investing Rs. 6000 and after X years, B joined A in business with an investment of Rs. 7000. If at the end of 7 years, the ratio of profits of A and B was 3 : 2, find the value of X.

- A. 5
- B. 2
- C. 6
- D. 4
- E. 3

Direction: Given below are two quantities named I and II. Based on the given information, you have to determine the relation between the two quantities. You should use the given data and your knowledge of Mathematics to choose among the possible answers.

37. Bimal divides a sum of money among Meera and Veena in ratio of 5 : 8 . Meera invested her sum for 6 years at 7% per annum simple interest and obtained an amount of Rs. 4260 .

Quantity I: Sum received by Veena from Bimal

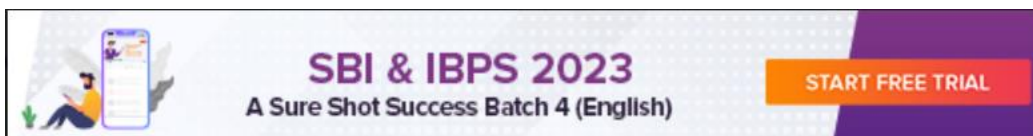
Quantity II: Rs. 5000

- A. Quantity I > Quantity II
- B. Quantity I < Quantity II
- C. Quantity I \geq Quantity II
- D. Quantity I \leq Quantity II
- E. Quantity I = Quantity II or no relation

Direction: What should come in place of the question mark (?) in the following number series?

38. 32, 48, 72, 108, ?, 243

- A. 162
- B. 148
- C. 194
- D. 204



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E. 136

39.4, 10, 33, 170, 1197, ?

- A. 12604
- B. 5091
- C. 9327
- D. 13178
- E. 14628

40.157, 278, 109, 334, 45, ?

- A. 584
- B. 483
- C. 406
- D. 331
- E. 495

41.67, 284, 410, 475, 503, ?

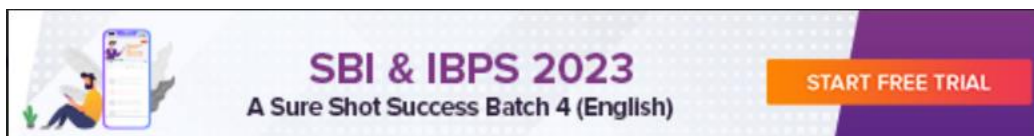
- A. 509
- B. 646
- C. 512
- D. 530
- E. 575

Direction: Study the following table carefully and answer the given questions. The given below table shows the information about the percentage of 1 bhk and 2 bhk apartments constructed by four construction companies A, B, C and D out of total number of 1 bhk and 2 bhk apartments constructed by these four companies. It also shows the difference between the number of 1 bhk and 2 bhk apartments constructed by four companies A, B, C and D.

Company	Percentage of (1 bhk + 2 bhk) apartments constructed	Difference between the number of 1 bhk and 2 bhk apartments
A	$z\%$	20
B	$3z\%$	60
C	$(3z - 5)\%$	75
D	$(4z - 5)\%$	75

The following additional information is available for these four buildings.

- 1) The average number of apartments (1 bhk + 2 bhk) constructed by these four companies is 125 .
- 2) Number of 1 bhk apartments constructed by each company is more than the number of 2 bhk apartments.



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42. What is the difference between the number of 1 bhk apartment constructed by company B and 2 bhk apartment constructed by company D?

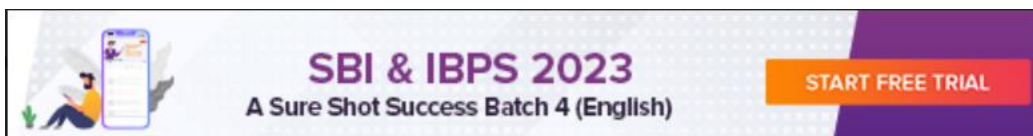
- A. 30
- B. 55
- C. 40
- D. 65
- E. 45

43. What is the ratio of 2 bhk apartment constructed by C and D together and number of 1 bhk apartment constructed by A alone?

- A. 13 : 8
- B. 10 : 7
- C. 19 : 14
- D. 15 : 7
- E. 5 : 2

44. Number of 3 bhk apartment constructed by another company E is 18% more than the number of 2 bhk apartments constructed by company D and ratio of number of 1 bhk apartment constructed by C to that by E is 5 : 6. What is the total number of 1 bhk and 3 bhk apartment constructed by company E?

- A. 179
- B. 145
- C. 137
- D. 184
- E. None of these



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###ANSWERS###

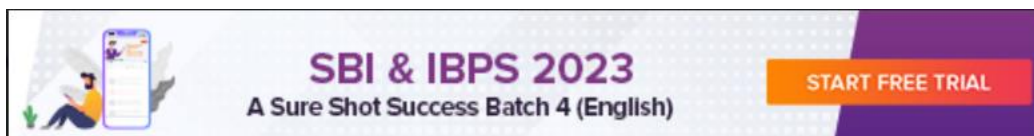
1. Ans. C.

Post	People	City
CEO	G	Bhopal
CMD	F	Jaipur
ED	C	Surat
GM	A	Delhi
DGM	B	Mumbai
AGM	E	Pune

2. Ans. C.

Post	People	City
CEO	G	Bhopal
CMD	F	Jaipur
ED	C	Surat
GM	A	Delhi
DGM	B	Mumbai
AGM	E	Pune

3. Ans. D.



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Post	People	City
CEO	G	Bhopal
CMD	F	Jaipur
ED	C	Surat
GM	A	Delhi
DGM	B	Mumbai
AGM	E	Pune

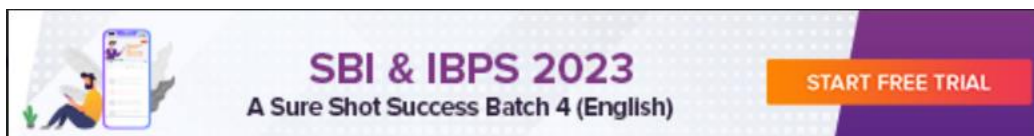
4. Ans. A.

Post	People	City
CEO	G	Bhopal
CMD	F	Jaipur
ED	C	Surat
GM	A	Delhi
DGM	B	Mumbai
AGM	E	Pune

5. Ans. D.

Post	People	City
CEO	G	Bhopal
CMD	F	Jaipur
ED	C	Surat
GM	A	Delhi
DGM	B	Mumbai
AGM	E	Pune

6. Ans. A.



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Day	People	City
Monday	B	Red
Tuesday	F	Black
Wednesday	A	Green
Thursday	E	Brown
Friday	D	White
Saturday	C	Pink

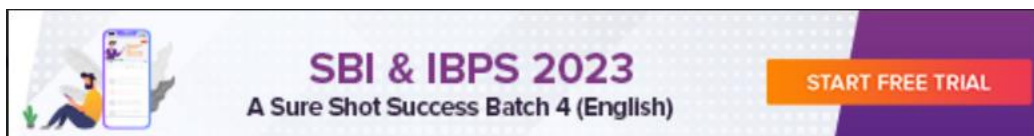
7. Ans. C.

Day	People	City
Monday	B	Red
Tuesday	F	Black
Wednesday	A	Green
Thursday	E	Brown
Friday	D	White
Saturday	C	Pink

8. Ans. C.

Day	People	City
Monday	B	Red
Tuesday	F	Black
Wednesday	A	Green
Thursday	E	Brown
Friday	D	White
Saturday	C	Pink

9. Ans. D.



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Day	People	City
Monday	B	Red
Tuesday	F	Black
Wednesday	A	Green
Thursday	E	Brown
Friday	D	White
Saturday	C	Pink

10. Ans. C.

Day	People	City
Monday	B	Red
Tuesday	F	Black
Wednesday	A	Green
Thursday	E	Brown
Friday	D	White
Saturday	C	Pink

11. Ans. D.

$<, =$
 $C = M \leq P < S \leq D = W \geq E = R \geq T > Y$
 $C < D$ and $D \geq T$ definitely true

12. Ans. B.

* The chief of Pakistan Muslim League-Nawaz (PML-N), Mian Muhammad Shehbaz Sharif has become the 23rd prime minister of Pakistan. He got 174 votes in the 342-member National Assembly.

* He has served three times (1997, 2008, and 2013) as Pakistan Punjab's chief minister-

* He is the younger brother of former Pakistan PM Nawaz Sharif.

13. Ans. A.

* The 2028 Summer Olympics, officially known as the Games of the XXXIV Olympiad, and commonly stylized as LA28, is a forthcoming international multi-sport event that is scheduled to take place from July 21 to August 6, 2028, in Los Angeles, California, United States.

14. Ans. C.

• Vinai Kumar Saxena, who served as a chairperson of the Khadi and Village Industries Commission (KVIC) has been appointed as the new Lieutenant Governor (L-G) of Delhi.

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- He was appointed as the chairman of KVIC in October 2015.
- He has replaced former LG Anil Baijal, who headed Delhi's government for five years.

15. Ans. C.

Ministry of MSME, Government of India is implementing Prime Minister's Employment Generation Programme (PMEGP), to facilitate the generation of employment opportunities for unemployed youth across the country by assisting setting up of micro-enterprises in the non-farm sector.

16. Ans. E.

- PM Modi has inaugurated World's first Nano Urea (Liquid) Plant constructed at Indian Farmers Fertilizer Cooperative Ltd (IFFCO) at Kalol, Gandhinagar, Gujarat.

- Nano Urea Liquid Plant has been built at the cost of around Rs 175 crore to boost productivity and increase farmers' income.

- It will produce about 1.5 lakh bottles of 500 ml.

17. Ans. A.

- Indian Men's Badminton team has scripted the history by winning the first-ever Thomas Cup after defeating 14-time Champions Indonesia in Bangkok.

- India has defeated Indonesia by 3-0 in the finals of the prestigious team championship.

- World Championships medallist Lakshya Sen, Kidambi Srikanth and world number 8 doubles duo of Chirag Shetty and Satwiksairaj Rankireddy had given their memorable performances.

18. Ans. D.

- The central government has appointed Dr V Anantha Nageswaran as its Chief Economic Advisor (CEA).

- Prior to his appointment, Nageswaran has also been a part-time member of the Economic Advisory Council to the Prime Minister of India from 2019 to 2021.

- He has replaced Krishnamurthy Subramanian, who returned to academia in December after a three-year tenure as CEA.

- CEA in the finance ministry is a key contributor to the govt's overall strategy in managing the economy.

19. Ans. B.

- On **31st December** 2019 the famous 11-day long '**Dhanu Jatra**', has begun in **Odisha**.

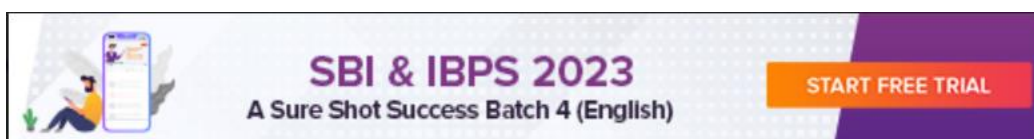
20. Ans. E.

All words are correct.

21. Ans. A.

The verb form has been incorrectly used. We need to replace 'relies' with 'relied' to rectify the sentence. Note that the sentence needs to be in the past tense hinted by the phrase 'didn't have'.

22. Ans. D.



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falling out is incorrect. Note that falling out means a quarrel or disagreement. It should be falling in, which means to drop

23. Ans. D.

'More pretty' is incorrect. The comparative form of pretty is 'prettier'.

24. Ans. C.

The correct answer is C.

25. Ans. D.

The correct answer is D.

26. Ans. B.

The correct answer is B.

27. Ans. B.

CADBE is the correct order

28. Ans. C.

The hexadecimal numeral system (**hex**) is a numeral system made up of 16 symbols (**base 16**). Hexadecimal uses the decimal numbers and includes six extra symbols.

Note:- It uses **sixteen distinct symbols**, most often the symbols **0–9** to represent values **zero to nine**, and A, B, C, D, E, F (or alternatively a, b, c, d, e, f) to represent values **ten to fifteen**.

29. Ans. A.

Microsoft made a commitment to provide 10 years of product support for Windows 7 when it was released on **October 22, 2009**.

30. 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.

31. Ans. C.

The **tag specifies bold text without any extra importance**.

32. Ans. C.

To reverse your last action, press CTRL+Z. It can reverse more than one action.

So option C is correct.

33. Ans. B.

• The five generations of computers are as follows-

I. **1940 – 1956**: First Generation based on Vacuum Tubes

II. **1956 – 1963**: Second Generation based on Transistors

III. **1964 – 1971**: Third Generation based on Integrated Circuits

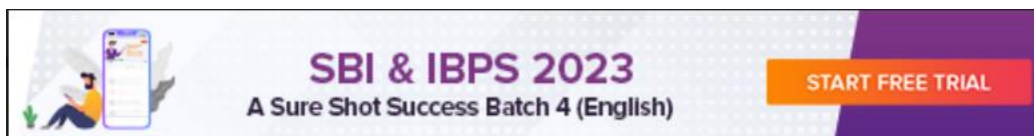
IV. **1972 – 2010**: Fourth Generation based on Microprocessors

V. **2010- Present** : Fifth Generation based on Artificial Intelligence

• Also note that Charles Babbage is known as Father of computers.

34. Ans. D.

* **Tim Berners-Lee**, a British scientist, invented the World Wide Web (**WWW**) in **1989**.



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- * World Wide Web, an **Internet-based hypermedia initiative for global information sharing**.
- * He wrote the first web client and server in **1990**.
- * It developed to meet the demand for **automated information-sharing** between scientists in **universities** and **institutes** around the world.
- * His specifications of **URIs, HTTP** and **HTML** were refined as web technology spread.
- * **Charles Babbage** originated the concept of a digital programmable **computer**. He is known as "**father of the computer**".

35. Ans. A.

- Ctrl+A is used to **select all text**.
- Ctrl+S is used for **save current document file**.
- Ctrl+C is used to **copy selected item**.
- Ctrl+K is used to Insert hyperlink for selected text.

36. Ans. E.

$$\text{Ratio of profit shares of A and B} = \frac{6000 \times 7}{7000 \times (7 - X)} = \frac{3}{2}$$

$$\Rightarrow 7 - X = 4$$

$$\Rightarrow X = 7 - 4 = 3$$

37. Ans. B.

Let the sum given to Meera and Veena be Rs. 5x and Rs. 8x respectively.

Amount received by Meera after 6 years = 5x + (6 × 7)% of 5x

$$= 142\% \text{ of } 5x$$

$$142\% \text{ of } 5x = 4260$$

$$\Rightarrow 5x = \frac{100}{142} \times 4260 = 3000$$

$$\Rightarrow 8x = \frac{3000}{5} \times 8 = 4800$$

Quantity I = Sum received by Veena from Bimal = Rs. 4800

Hence, Quantity I < Quantity II.

38. Ans. A.

The pattern of the series is:

$$32 \times 1.5 = 48$$

$$48 \times 1.5 = 72$$

$$72 \times 1.5 = 108$$

$$108 \times 1.5 = 162$$

$$162 \times 1.5 = 243$$

Hence, the missing number is 162.

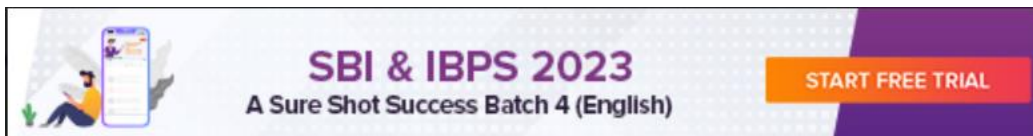
39. Ans. D.

The pattern of the series is:

$$4 \times 2 + 2 = 10$$

$$10 \times 3 + 3 = 33$$

$$33 \times 5 + 5 = 170$$



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$$170 \times 7 + 7 = 1197$$

$$1197 \times 11 + 11 = 13178$$

Hence, the missing number is 13178.

Note: 2, 3, 5, 7 and 11 are prime numbers

40. Ans. C.

The pattern of the series is:

$$157 + 11^2 = 278$$

$$278 - 13^2 = 109$$

$$109 + 15^2 = 334$$

$$334 - 17^2 = 45$$

$$45 + 19^2 = 406$$

Hence, the missing number is 406.

41. Ans. C.

The pattern of the series is:

$$67 + 6^3 + 1 = 284$$

$$284 + 5^3 + 1 = 410$$

$$410 + 4^3 + 1 = 475$$

$$475 + 3^3 + 1 = 503$$

$$503 + 2^3 + 1 = 512$$

Hence, the missing number is 512.

42. Ans. B.

$$z + 3z + 3z - 5 + 4z - 5 = 100$$

$$\Rightarrow 11z - 10 = 100$$

$$\Rightarrow 11z = 110$$

$$\Rightarrow z = 10$$

Total number of apartments constructed by all companies = $125 \times 4 = 500$

Number of apartments constructed by company A = 10% of 500 = 50

Number of apartments constructed by company B = $(3 \times 10)\% = 30\%$ of 500 = 150

Number of apartments constructed by company C = $(3 \times 10 - 5)\% = 25\%$ of 500 = 125

Number of apartments constructed by company D = $(4 \times 10 - 5)\% = 35\%$ of 500 = 175

Let the number of 1 bhk and 2 bhk apartments constructed by company A be x and y .

$$\text{Then, } x + y = 50 \dots (1)$$

$$x - y = 20 \dots (2)$$

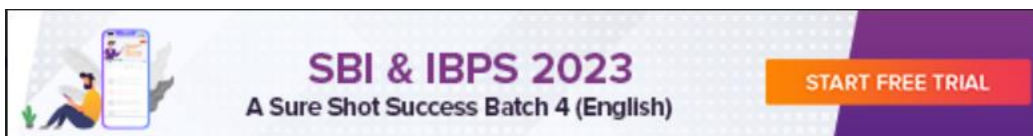
Adding (1) and (2), we get:

$$2x = 70$$

$$\Rightarrow x = 35$$

$$\text{So, } y = 50 - 35 = 15$$

Similarly we can calculate the number of 1 bhk and 2 bhk apartments for companies B, C and D.



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Company	Number of (1 bhk + 2bhk) apartments	Number of 1 bhk apartment	Number of 2 bhk apartment
A	50	35	15
B	150	105	45
C	125	100	25
D	175	125	50

Required difference = $105 - 50 = 55$

43. Ans. D.

$$z + 3z + 3z - 5 + 4z - 5 = 100$$

$$\Rightarrow 11z - 10 = 100$$

$$\Rightarrow 11z = 110$$

$$\Rightarrow z = 10$$

Total number of apartments constructed by all companies = $125 \times 4 = 500$

Number of apartments constructed by company A = 10% of 500 = 50

Number of apartments constructed by company B = $(3 \times 10)\% = 30\%$ of 500 = 150

Number of apartments constructed by company C = $(3 \times 10 - 5)\% = 25\%$ of 500 = 125

Number of apartments constructed by company D = $(4 \times 10 - 5)\% = 35\%$ of 500 = 175

Let the number of 1 bhk and 2 bhk apartments constructed by company A be x and y.

$$\text{Then, } x + y = 50 \dots (1)$$

$$x - y = 20 \dots (2)$$

Adding (1) and (2), we get:

$$2x = 70$$

$$\Rightarrow x = 35$$

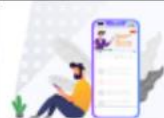
$$\text{So, } y = 50 - 35 = 15$$

Similarly we can calculate the number of 1 bhk and 2 bhk apartment s for companies B, C and D.

Company	Number of (1 bhk + 2bhk) apartments	Number of 1 bhk apartment	Number of 2 bhk apartment
A	50	35	15
B	150	105	45
C	125	100	25
D	175	125	50

Required ratio = $(25 + 50) : 35 = 75 : 35 = 15 : 7$

44. Ans. A.



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$$z + 3z + 3z - 5 + 4z - 5 = 100$$

$$\Rightarrow 11z - 10 = 100$$

$$\Rightarrow 11z = 110$$

$$\Rightarrow z = 10$$

Total number of apartments constructed by all companies = $125 \times 4 = 500$

Number of apartments constructed by company A = 10% of 500 = 50

Number of apartments constructed by company B = $(3 \times 10)\% = 30\%$ of 500 = 150

Number of apartments constructed by company C = $(3 \times 10 - 5)\% = 25\%$ of 500 = 125

Number of apartments constructed by company D = $(4 \times 10 - 5)\% = 35\%$ of 500 = 175

Let the number of 1 bhk and 2 bhk apartments constructed by company A be x and y .

$$\text{Then, } x + y = 50 \dots (1)$$

$$x - y = 20 \dots (2)$$

Adding (1) and (2), we get:

$$2x = 70$$

$$\Rightarrow x = 35$$

$$\text{So, } y = 50 - 35 = 15$$

Similarly we can calculate the number of 1 bhk and 2 bhk apartments for companies B, C and D.

Company	Number of (1 bhk + 2bhk) apartments	Number of 1 bhk apartment	Number of 2 bhk apartment
A	50	35	15
B	150	105	45
C	125	100	25
D	175	125	50

Number of 3 bhk apartment constructed by company E = 118% of 50 = 59

Number of 1 bhk apartment constructed by E = $\frac{100}{5} \times 6 = 120$

Total number of 1 bhk and 3 bhk apartment constructed by company E = 59 + 120 = 179

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