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IBPS Office Assistant Pre Mock test

Total: 80 Que.

Time: 45 Min.

Quantitative Aptitude

Directions for Questions 1-10: What value should come in place of the question marks(?) in the following questions?

1). 75% of 50% of $\frac{48}{63}$ of 2541 – 242 = ?²

- (a) 22
- (b) 24
- (c) 17
- (d) 19
- (e) 23

2). 3149 + 457 – (149 × 19) + 43² = ? – 68²

- (a) 7248
- (b) 7245
- (c) 7243
- (d) 7251
- (e) 7250

3). 32% of 1776 ÷ 148 – (43 × 6) + 457 = ?² – (5 ÷ .5 ÷ .5)

- (a) 11
- (b) 15
- (c) 14
- (d) 12
- (e) 13

4). $\sqrt[3]{5832} \times \sqrt{12996} \div \sqrt[3]{216} = ? + (32\% \text{ of } 175)$

- (a) 295
- (b) 290
- (c) 286
- (d) 292
- (e) 283

5). $\sqrt[3]{3375} \times 9 + (47 \times 63) - 1885 = ? - \sqrt{48\% \text{ of } 7.5}$

- (a) 1215

- (b) 1223
- (c) 1214
- (d) 1220
- (e) 1217

6). 67% of 4875 + 89% of 2242 + 18% of 800 = ?

- (a) 5405.63
- (b) 5409.12
- (c) 5410.36
- (d) 5401.43
- (e) 5415.25

7). (20224 + 1082 – 17342) ÷ 16 = ? – 122.25

- (a) 370
- (b) 378
- (c) 365
- (d) 367
- (e) 373

8). $(\sqrt{8} - \sqrt{3})^2 + (\sqrt{3} + \sqrt{18})^2 - 2\sqrt{6} = ?$

- (a) 35
- (b) 29
- (c) 27
- (d) 36
- (e) 32

9). 65% of $\sqrt{3600} \times 16 = ?^2 + 263$

- (a) 13
- (b) 17
- (c) 19
- (d) 23
- (e) 25

10). 36% of $\frac{5}{27}$ of 720 + 177 = ?² – 4³

- (a) 17
- (b) 20
- (c) 15
- (d) 12
- (e) 16





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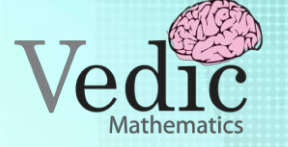
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Directions for Questions 11-15: What approximate value should come in place of the question marks(?) in the following questions? (Note : you are not expected to calculate the exact value.)

- (b) 231
(c) 228
(d) 229
(e) 232

11). $68\% \text{ of } 1448 + 39\% \text{ of } 832 - 348 = ?$

- (a) 870
(b) 1012
(c) 889
(d) 961
(e) 911

17). $126,172, ?, 402,586,816$

- (a) 262
(b) 264
(c) 263
(d) 266
(e) 265

12). $(33.04)^2 - (18.91)^2 - (39 \times 56) = ? - 1645$

- (a) 155
(b) 254
(c) 137
(d) 126
(e) 189

18). $87,87,109, ?, 219,307$

- (a) 151
(b) 155
(c) 153
(d) 154
(e) 152

13). $8765 \div 63 \times 15 + 199.89 = ? \times 5$

- (a) 393
(b) 457
(c) 409
(d) 510
(e) 500

19). $2,11,29,56, ?, 137$

- (a) 88
(b) 90
(c) 91
(d) 92
(e) 89

14). $\frac{85.01}{53.99} \div \frac{34.10}{57} \times \frac{36}{95} = ?$

- (a) 9 (b) 7 (c) 10 (d) 5 (e) 1

20). $24,51,83, ?, 154,189$

- (a) 118
(b) 115
(c) 120
(d) 121
(e) 114

15). $\sqrt{4098} \times \sqrt{1230} \div \sqrt[3]{515} = ? + 118.10$

- (a) 223
(b) 212
(c) 162
(d) 129
(e) 121

21). The ratio between the length and the breadth of the rectangular park is 4: 3. If the area of the rectangular park is 432 m^2 . What is the diagonal of a rectangular park?

- (a) 30 m
(b) 35 m
(c) 28 m
(d) 27 m
(e) 33 m

Directions for Questions 16-20: What will come at the place of question mark (?) in the following number series?

16). $1030,630,374, ?, 166,150$

- (a) 230





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22). Rinku invested Rs. 1,000 in a company at compound interest compounded yearly. He received Rs. 1,331 after three years. The rate of interest per annum is :

- (a) 12%
- (b) 10%
- (c) 15%
- (d) 7%
- (e) 20%

23). The average age of gagan and shekhar is 44 years. The ratio of their ages is 7: 4. What is the difference between the age gagan and shekhar after 14 years?

- (a) 24 years
- (b) 30 years
- (c) 28 years
- (d) 20 years
- (e) 21 years

24). Ram, Kishor and Mahesh start a business. Ram invests some amount at the beginning, Kishor invests double the amount after 4 months and Mahesh invests thrice the amount after 8 months. At the end of the year, They earned a profit of Rs 26,000 . What will be Mahesh's share in the total profit?

- (a) Rs 7,500
- (b) Rs 7000
- (c) Rs 10,400
- (d) Rs 7,800
- (e) Rs 7,200

25). 16 boys alone can complete a piece of work in 12 days, whereas 18 boys and 10 girls take 8 days to complete the same piece of work. In how many days can 4 girls alone complete the same piece of work?

- (a) 84days
- (b) 80days
- (c) 88days
- (d) 78days

(e) 75 days

26). What is the compound interest on Rs. 28,200 in 2 years. If the rate of interest is 12% for the first year and 16% for the second year?

- (a) Rs. 8437.44
- (b) Rs. 8458.44
- (c) Rs. 8462.44
- (d) Rs. 8421.44
- (e) Rs. 8418.44

27). In how many different ways can the letters of word 'JACKFRUIT' be arranged?

- (a) 720
- (b) 50400
- (c) 3628800
- (d) 5040
- (e) 362880

28). Two runners cover the same distance at the rate of 12 kmph and 16 kmph respectively. Find the distance travelled when one takes 35 minutes longer than other?

- (a) 35 km
- (b) 28 km
- (c) 23 km
- (d) 25 km
- (e) 30 km

29). The population of a city increases every year by 20%. If its population in January 2010 was 3,75,000. What will its population in January 2013?

- (a) 6,30,000
- (b) 6,50,000
- (c) 6,20,120
- (d) 6,40,000
- (e) 6,48,000

30). A box contains 8 pink, 3 green and 6 blue balls. If 5 balls are picked at random. What is the probability that three are pink and two are blue ?

- (a) $\frac{71}{6189}$





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- (b) $\frac{77}{6188}$
(c) $\frac{73}{6188}$
(d) $\frac{71}{6188}$
(e) $\frac{69}{6188}$

- (d) 1978
(e) 1970

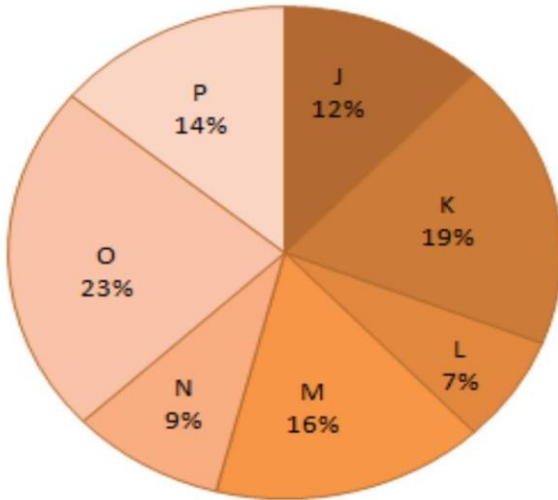
33). What is the difference between number of female doctors working in hospital J, K and M together and number of female doctors working in hospital O and P together?

- (a) 1380
(b) 1410
(c) 1389
(d) 1395
(e) 1405

Directions for Questions 31-35: Study the following Pie Chart carefully to answer the given questions.

Number of female doctors working in seven different hospitals

Total number of female doctors=13,800



31). Number of female doctors working in hospital N and P together are what percent of number of female doctors working in hospital L and O together?

- (a) 66.76%
(b) 84.12%
(c) 76.67%
(d) 71.12%
(e) 81.67%

32). What is the average number of female doctors working in J, K, L, M, N and O together?

- (a) 1973
(b) 1989
(c) 1985

34). Number of female doctors working in hospital M and P together are approximately what percent of number of female doctors working in hospital J, K, L, N and O together?

- (a) 50%
(b) 46%
(c) 38%
(d) 48%
(e) 43%

35). What is the ratio between number of female doctors working in hospital L and N together to number of female doctors working in hospital K?

- (a) 43 : 39
(b) 368 : 437
(c) 437 : 368
(d) 39 : 43
(e) 11 : 19

36). There are 2 men and 6 women. They sit in a row randomly. What is the probability that all the women sit together?

- (a) $\frac{3}{28}$
(b) $\frac{3}{29}$
(c) $\frac{5}{28}$
(d) $\frac{9}{28}$





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(e) $\frac{11}{28}$

37). What would be the simple interest obtained on an amount Rs. 9,810 at the rate of 17% per annum for 10 years?

- (a) Rs. 16,640
- (b) Rs. 16,612
- (c) Rs. 16,723
- (d) Rs. 16,701
- (e) Rs. 16,677

38). In a field 2322 plants are planted in 43 rows with equal number of plants in each row. How many plants are there in each row?

- (a) 55
- (b) 50
- (c) 53
- (d) 54
- (e) 57

39). In an annual examination, Rajat scored 56 percent marks and Rajesh scored 612 marks. The maximum marks of the examination are 1025, what average marks scored by Rajat and Rajesh together?

- (a) 596
- (b) 590
- (c) 585
- (d) 600
- (e) 593

40). The cost of 21 pens and 9 erasers is Rs 819 . What is the total cost of 7 pens and 13 erasers together?

- (a) 538
- (b) 541
- (c) 555
- (d) 550
- (e) 546

Reasoning Ability

Directions for Questions 1-4: Study the given information carefully and answer the given questions.

'D \$ Z' means 'D is husband of Z'.

'D&Z' means 'D is mother of Z'.

'D%Z' means 'D is son of Z'.

'D @ Z' means 'D is sister of Z'.

1). In $A\$B@C\%D$, How is A related to D ?

- (a) Son
- (b) Father
- (c) Brother
- (d) Son in law
- (e) None of these

2). In $A @ B \% C @ D$, How is A related to C?

- (a) Sister
- (b) Daughter
- (c) Mother
- (d) Granddaughter
- (e) CND

3). In $A\%B@C\%D$, How is C related to A?

- (a) Brother
- (b) Grandfather
- (c) Maternal uncle
- (d) Son
- (e) None of these

4). In $A\&B@C\$D$, How is A related to D ?

- (a) Father in law
- (b) Grandson
- (c) Uncle
- (d) Brother
- (e) None of these

5). Rajat walked 20 m towards east, took left turn and walked 20 m . He took a right turn and walked 20 m . He took a left turn and walked 20 m . He again took a left turn and walked 40 m . Finally, he turned to his left and walked 20 m and stopped. In





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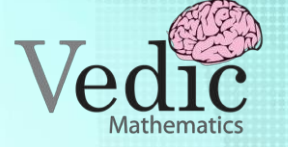
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which direction is rajat moving now?

- (a) North
- (b) South
- (c) West
- (d) East
- (e) North East

Directions for Questions 6-10: In each of the following questions, assuming the given statement to be true, Find which of the following two conclusion I and II is/ are definitely true.

Give answer:

6). Statements - Ram < Suresh, Suresh < Ramesh = Rinku < Rajat,

Rajat ≤ Rajesh < Rakesh

Conclusion I - Rakesh > Ram

Conclusion II - Rajesh ≥ Ramesh

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either I or II is true.
- (d) If neither I nor II is true.
- (e) If both I and II are true

7). Statements - Lokesh > Gaurav ≥ Ravi, Ravi < Saurabh = Sonu > Rahul, Rahul = Prakash

Conclusion I - Lokesh > Sonu

Conclusion II - Prakash < Ravi

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either I or II is true.
- (d) If neither I nor II is true.
- (e) If both I and II are true

8). Statements - D = F < G, G = H > P, P ≥ Q > R

Conclusions I-P < D

Conclusion II-G > R

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either I or II is true.
- (d) If neither I nor II is true.

(e) If both I and II are true

9). Statements - $F \leq Q = R, R \geq P = T < U, U \leq V$

Conclusion I-P ≤ F

Conclusion II-V > P

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either I or II is true.
- (d) If neither I nor II is true.
- (e) If both I and II are true

10). Statements - $G > F < P = Q \geq S > T < U$

Conclusion I - $G > S$

Conclusion II - $F < U$

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either I or II is true.
- (d) If neither I nor II is true.
- (e) If both I and II are true

Directions for Questions 11-15: Study the following information carefully and answer the question given below:

A, B, C, E, G, I, K, L, N, O and Z are sitting around a circle facing at the centre. Only three persons sit between A and B. L is second to the left of K. I is third to the left of B and is second to the right of G. E is second to the right of Z and is second to the left of L. Z is an immediate left of A. C is an immediate right of N.

11). Who among the following sits between O and N?

- (a) B
- (b) L
- (c) C
- (d) K
- (e) None of these

12). Who is seventh to the left of A?

- (a) L (b) I (c) K (d) O (e) B





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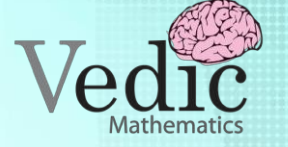
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13). Who among the following is an immediate neighbor of G ?

- (a) L, K
- (b) E, C
- (c) L, E
- (d) K, E
- (e) None of these

14). Who is fourth to the right of L ?

- (a) I (b) O (c) N (d) B (e) C

15). How many persons are sitting between O and L ?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) Five

Directions for Questions 16-20: Read the following information carefully and answer the question given below:

A, B, C, E, G, I, K, L, N, O and Z are seated in a straight line facing south. A is second to the left of L who is sixth to the left of E. B is second to the right of O. N is third to the right of G who is an immediate right of B. Neither A nor E sit at the extreme ends of line. Z is third to the left of K. Only one person sits between G and E. C is not immediate neighbor of L.

16). How many persons are seated between C and O ?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) None of these

17). Who is fourth to the right of I ?

- (a) Z

- (b) B
- (c) G
- (d) N
- (e) E

18). Who is an immediate left of A ?

- (a) I (b) L (c) O (d) A (e) None of these

19). Who is fifth to the right of A ?

- (a) O (b) Z (c) B (d) G (e) None of these

20). Which of the following pairs represents person seated at the two extreme ends of the line?

- (a) C, K
- (b) K, I
- (c) N, I
- (d) C, N
- (e) None of these

Directions for Questions 21-25: In each question below are three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly facts and then decide which of the given conclusions logically follows from the given statements.

21). Statements -

I- Some lawyers are doctors.

II- All doctors are leaders.

III- All leaders are polices.

Conclusions -

I - Some polices are lawyers.

II - All doctors are polices.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows. (e) If both conclusions I and II follows.





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22). Statements -

I- Some parrots are pigeons.

II- Some pigeons are hawks.

III- Some hawks are crows.

Conclusions -

I - Some crows are parrots.

II - Some crows are not parrots.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follows.

23). Statements -

I- No violet is grey.

II- Some grey are brown.

III- All brown are yellow.

Conclusions -

I - All grey being yellow is a possibility.

II - Some violet are brown.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follows.

24). Statements -

I- No bat is hockey.

II- All hockey are racket.

III- All racket are stick.

Conclusions -

I-Some bat are stick.

II - All stick are hockey.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follows.

25). Statements -

I- All lawyers are polices.

II- All polices are doctors.

III- All doctors are leaders.

Conclusions -

I - All lawyers are leaders.

II - Some polices are leaders.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follows.

Directions for Questions 26-30: Read the following passage carefully and answer the question given below it -

Seven teachers J, K, L, M, N, O and P teach in seven different colleges viz - KCC, ITS, Skyline, IILM, DPS, IME and AKG, but not necessarily in the same order. Each of them has a bike of a different companies viz- FZ, Enfield, Passion, Pulsar, Discover, Star City and Sports, but not necessarily in the same order. J teaches in AKG and he uses Passion. M teaches in ITS and he does not use FZ or Sports. The one who uses Star City and he teaches in Skyline. P uses Discover and he does not teach in KCC or IILM. N teaches in DPS and he uses Pulsar. O does not use Sports and he teaches in KCC. L does not teach in IILM.

26). Which bike does M like?

(a) Enfield

(b) FZ

(c) Sports

(d) Star City

(e) None of these

27). Which bike does K like?

(a) FZ

(b) Star City

(c) Enfield

(d) Sports

(e) None of these





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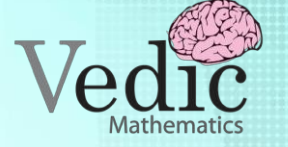
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28). Which of the following teachers teach in college IME?

- (a) K
- (b)
- (c) P
- (d) P or O
- (e) None of these

29). Which of the following combinations of teacher - college - bike is correct?

- (a) O - KCC - Enfield
- (b) K - Skyline - Star City
- (c) L - Skyline - Star City
- (d) P - KCC - Discover
- (e) None of these

30). Which college does L teach?

- (a) KCC
- (b) Skyline
- (c) IME
- (d) KCC or IME
- (e) None of these

Directions for Questions 31-35: These questions are based on the following set of numbers.
485653827546738

31). the sum of all the three digits of which of the following two numbers are exactly the same?

- (a) 485 and 653
- (b) 827 and 485
- (c) 653 and 546
- (d) 827 and 738
- (e) 738 and 485

32). Which of the following is the second digit of the fourth lowest number?

- (a) 8
- (b) 5
- (c) 2
- (d) 4
- (e) 3

33). If in each number the positions of the first and third digits are interchanged which number will be the second largest?

- (a) 485
- (b) 653
- (c) 827
- (d) 546
- (e) 738

34). If in each number, all the three digits are arranged in ascending order within the number, which number will be the second smallest

- (a) 485
- (b) 653
- (c) 827
- (d) 546
- (e) 738

35). If in each number the first and second digits are interchanged and then newly formed numbers are arranged in ascending order, Which number will be the third largest?

- (a) 485
- (b) 653
- (c) 827
- (d) 546
- (e) 738

Directions for Questions 36-37: Study the given information carefully and answer the question given below:

Gaurav walked 60 km west and then took a left turn and walked 60 km . He took a left turn and walked 20 km . He took a left turn and walked 20 km . He took a left turn and walked 20 km . He again took a left turn and walked 20km. Finally, he turned to his left and walked 20km and stopped.

36). How far is Gaurav from his initial position?

- (a) 20 km
- (b) 40 km
- (c) 60 km
- (d) 30 km





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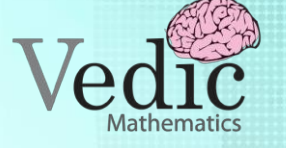
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(e) 50 km

37). In which direction is Gaurav moving now?

- (a) South
- (b) North
- (c) East
- (d) West
- (e) South east

38). In a certain code language, "COMPUTER" is written as OCNRTUFT. How is "ELEPHANT" written in that code?

- (a) "LEGRAHOV"
- (b) "LEFRAHOV"
- (c) "LEFRAHPV"
- (d) "LEGRAHPV"
- (e) None of these

39). In a certain code language, "CRICKET" is written as "ETKDICR". How is "NETWORK" written in that code?

- (a) PGVXMPI
- (b) PGUXMPI
- (c) PHUXMPI
- (d) PGVXMQL
- (e) PGVXMQH

40). How many such pairs of letters are there in the word 'BEAUTIFUL' each of which has as many letters between them in the word (in both forward and backward direction) as they have between them in English alphabetical series:

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) Five

