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). $\sqrt{?} = (3807 \times 12) \div 423$
(a) 11664
(b) 11264
(c) 11660
(d) 11564
(e) 11560

2). $5 + 6.06 + 8.888 + 5.55 + 8585 = ?$
(a) $8608 + .998$
(b) 8605.998
(c) 8610.998
(d) 8601.998
(e) 8603.998

3). $(84125 - 40189 - 136 \times 89) \div \sqrt{64} = ?^2 + 3963$
(a) 2
(b) 6
(c) 9
(d) 4
(e) 5

4). $84 \times 26 - 1334 + 36^2 = ? -25\%$ of 488
(a) 2273
(b) 2271
(c) 2270
(d) 2268
(e) 2264

5). 22% of 4224 + 36% of 1300 + 70% of 3660 = ?
(a) 3859.45
(b) 3857.28
(c) 3759.45
(d) 3758.42
(e) 3959.28

6). $\frac{4}{7}$ of $\frac{3}{8}$ of $322 = ? -\sqrt{12769} + 142$
(a) 40
(b) 45
(c) 48
(d) 43
(e) 38

7). $12210 - 8484 + 128 \times 13 = ? +(\sqrt{4356} \times 43)$
(a) 2557
(b) 2555
(c) 2549
(d) 2550
(e) 2552

8). $\frac{4}{5}$ of $\frac{7}{12}$ of 75% of $7200 = ? +198$
(a) 2330
(b) 2328
(c) 2326
(d) 2325
(e) 2322

9). $26\frac{1}{6} + 13\frac{1}{12} - 35\frac{1}{4} = ?$
(a) $2\frac{1}{4}$
(b) $6\frac{1}{4}$
(c) $5\frac{1}{4}$
(d) $4\frac{1}{4}$ (e) $3\frac{1}{4}$

10). 38% of 52% of $18000 + \frac{6}{13}$ of 208 = ?
(a) 3652.8
(b) 3650.2
(c) 3648.6
(d) 3656.2
(e) 3654.8

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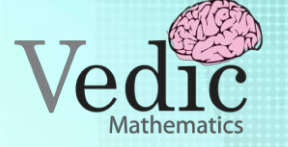
expected to calculate the exact value.)

11). 38% of 3805+? % of 789 = 84 × 23.02
(a) 29
(b) 32
(c) 115
(d) 61
(e) 121

12). $1284 + 42.08\%$ of $1991 + (33.92)^2 = 1485 + ?$
(a) 1870
(b) 1875
(c) 1682
(d) 1701
(e) 1795

13). $\frac{8}{\circ}$ of $4\frac{3}{7}$ of 49% of $1089 + \sqrt{3026} = ?$
(a) 1712
(b) 1791
(c) 1856
(d) 1723
(e) 1738

14). $\frac{1}{2.1}$ of $3108 + 51\%$ of $808 = ? - (13.01 \times \sqrt{1025})$
(a) 923
(b) 1056
(c) 1128
(d) 1087
(e) 972

15). $\sqrt{730} + (24.08 \times 39.89) + \sqrt[3]{730} \div \sqrt{81} = ?$
(a) 988
(b) 933
(c) 948
(d) 952
(e) 932

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

16). 8,40,168, ? ,2728,10920
(a) 680
(b) 682
(c) 684
(d) 683
(e) 681

17). 24,26,64,222, ? ,4810
(a) 943
(b) 944
(c) 942
(d) 945
(e) 946

18). 36,19,27, ? ,199,622.5
(a) 65.5
(b) 68.5
(c) 67.5
(d) 64.3
(e) 66.3

19). 2, ? ,115,699,3479,13941
(a) 17  (b) 13  (c) 12  (d) 14  (e) 16

20). 12,18,30,48,72, ?
(a) 101
(b) 102
(c) 105
(d) 106
(e) 104

21). The breadth of a rectangle is 21 cm . Its diagonal is 35 cm . what will be the perimeter of the rectangle?
(a) 106 cm
(b) 100 cm
(c) 95 cm
(d) 110 cm
(e) 98 cm
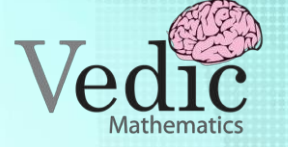
22). In what time will the simple interest on a certain sum become 8 times the principal at 16% per annum?
(a) 44 years
(b) 48 years
(c) 52 years
(d) 50 years
(e) 46 years

23). The average age of Lokesh and Mahesh is 48 years. Six years ago the respective ratio between their age was 9: 5. What is the present age of lokesh?
(a) 65 years
(b) 36 years
(c) 60 years
(d) 35 years
(e) 25 years

24). 4 men and 5 women can do a piece of work in 10 days while 4 men and 7 women can do the same piece of work in 8 days. In how many days can 8 men and 2 women do the same piece of work?
(a) $1_3$ days
(b) 12 days
(c) 15 days
(d) 8 days
(e) 10 days

25). The ratio of two numbers is 8: 9. If 6 is added to the both numbers their ratio changes to 17: 19. The smaller number is:
(a) 110
(b) 108
(c) 98
(d) 100
(e) 96

26). If the downstream speed of a motorboat is 38 kmph and its upstream speed is 24 kmph , then what is the speed of the boat?
(a) 12 kmph
(b) 8 kmph
(c) 31 kmph
(d) 7 kmph
(e) 32 kmph

27). If 20% discount is allowed on the marked price then the profit 12%. If the discount is increased to 30%, then what will be the loss percentage?
(a) 3%
(b) 8%
(c) 3%
(d) 1%
(e) 2%

28). Two pipes $D$ and $E$ can fill a tank in 16 hours and 48 hours respectively. If they are opened in alternate minutes and pipe $D$ is opened first, in how many hours will the tank be full?
(a) 10 hours
(b) 6 hours
(c) 8 hours
(d) 4 hours
(e) 5 hours

29). In an examination, It is required to get 39% of the aggregate marks to pass. Sonu gets 279 marks and is declared failed by 8%. What is the maximum aggregate marks sonu can get?
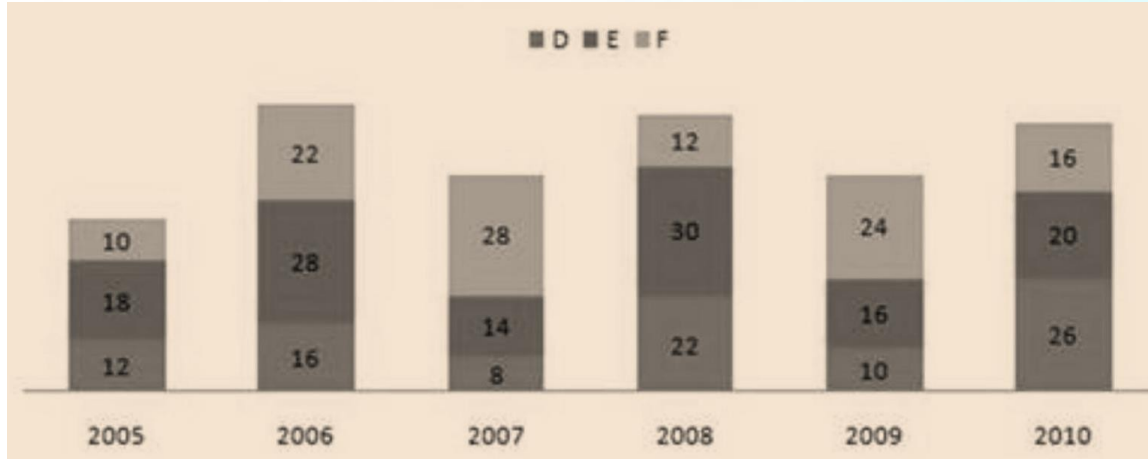(a) 1000
(b) 950
(c) 900
(d) 800
(e) 850

30). In how many ways can the letters of the word "RAJESH" can be arranged, when all vowels came together?
(a) 5040
(b) 720
(c) 120
(d) 240
(e) 360

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

**Data related number of employees working in three different companies over the year (in hundreds)**



**31).** What is the percentage increase in number of employees working in company *E* in 2010 as compared to the previous year?
(a) 28%
(b) 20%
(c) 22%
(d) 25%
(e) 30%

**32).** What is the ratio between number of employees working in company *D* and *F* together in 2006 to number of employees working in company E in 2007 and 2008 together?
(a) 9: 8
(b) 22: 19
(c) 12: 7
(d) 8: 9
(e) 19: 22

**33).** What is the percentage decrease in number of employees working in company F in 2010 as compared to the previous year?
(a) 30.12%
(b) 35.28%
(c) 38.54%

(d) 33.33%
(e) 28.80%

**34).** What is the difference between number of ... *D* in 2005, 2007 ... of employees ... nd 2010 together?

... ing in company ... at percent of ... company E in 2006, 2008 and 2010 together?
(a) 45.21%
(b) 51.28%
(c) 58.48%
(d) 43.12%
(e) 48.94%

**36).** A bag contains 4 green, 4 black and 2 yellow balls. If 2 balls are drawn at random. What is the probability that all are yellow?
(a) $\frac{1}{35}$
(b) $\frac{1}{36}$
(c) $\frac{1}{41}$
(d) $\frac{1}{4\lambda}$
(e) $\frac{1}{45}$

**37).** At what rate of simple interest per annum does a person get an interest of Rs10320 on the principal amount of Rs17200 after 5 years?
(a) 5%
(b) 15%
(c) 18%
(d) 10%
(e) 12%

38). The sum between the $\frac{3}{4}$ th of a number and 30 percent of the same number is 903 . What will be 25% of that number?
(a) 212
(b) 210
(c) 218
(d) 220
(e) 215

39). A person sells a fan for Rs 2295 at a loss of 15%. What will the price of fan when sold at a profit of 32% ?
(a) Rs 3650
(b) Rs 3600
(c) Rs 3500
(d) Rs 3564
(e) Rs 3560

40). Find the smallest number that can be added to 1242 so that it becomes exactly divisible by 8 ?
(a) 2
(b) 3
(c) 4
(d) 6
(e) 8

# Reasoning Ability

**Directions for Questions 1-4:** Study the given information carefully and answer the given questions.
A is mother of Q. R is brother of Q. Q is husband of P. S is wife of R. U is son of R. T is son of Q.

1). Who is the grandmother of $T$ ?
(a) A
(b) P
(c) S
(d) P or S
(e) None of these

2). How is $Q$ related of $U$ ?
(a) Paternal uncle
(b) Father
(c) Brother
(d) Son
(e) CND

3). How is $U$ related to $A$ ?
(a) Father
(b) Son
(c) Grandson
(d) Brother
(e) None of these

4). How is T related to U ?
(a) Brother
(b) Father
(c) Son
(d) Cousin
(e) None of these

5). In an organization, Kishor rank is thirty - five from top and twenty -two from bottom. How many employees are there in that organization.
(a) 55
(b) 67
(c) 56
(d) 13
(e) 57

**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 - A ≤ C < G = H ≥ I ≥ J
Conclusion I - A < H
Conclusion II - C < I
(a) If only conclusion I is true.
(b) If only conclusion II is true.
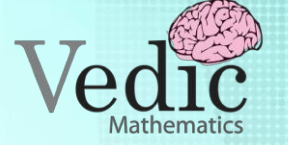
(c) If either I or II is true.
(d) If neither I nor II is true.
(e) If both I and II are true

**7). Statements - C ≥ D = F < A < B = I**
**Conclusions I-C ≥ A**
**Conclusion II - D < I**
(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 - $D \geq A$; $H < A$; $G \leq I = P \leq H$**
**Conclusions I-D > P**
**Conclusion II-H ≥ G**
(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 - A < B ≥ C; D ≤ E < B > G = I**
**Conclusion I - A < D**
**Conclusion II-C ≤ I**
(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 = H ≥ I ≥ J = K > L**
**Conclusion I-G ≥ K**
**Conclusion II - H > L**
(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:**
Nine persons $A$, $D$, $E$, $J$, $L$, $O$, $Q$, $S$ and $V$ are sitting around a circle facing at the centre. $V$ is an immediate left of $L$ who is fourth to the left of $Q$. $Q$ is second to the right of $S$ who is fourth to the right of A . D is an immediate left of O . E is not an immediate neighbor of Q .

**11). Who among the following sits between D and J ?**
(a) O
(b) Q
(c) L
(d) E
(e) None of these

**12). Who is fifth to the left of $O$ ?**
(a) E
(b) L
(c) V
(d) A (e) S

**13). How many persons are seated between $S$ and $V$ if we count clockwise from $S$ to $V$ ?**
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

**14). Who is third to the right of $D$ ?**
(a) $L$
(b) $E$
(c) $V$
(d) $S$
(e) $A$

**15). Which of the following is not correct?**
(a) L is third to the left of J .
(b) $V$ is second to the left of $E$.
(c) V is an immediate right of O .
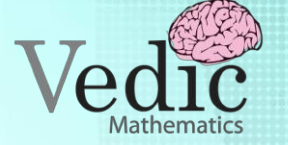
(d) O is third to the right of J.
(e) None of these

**Directions for Questions 16-20:** Read the following information carefully and answer the question given below:
Nine persons $A, D, E, J, L, O, Q, S$ and $V$ are seated in a straight line facing north. $S$ is an immediate right of E and is fifth to the left of J. Neither E nor J sit at the extreme ends of line. Only four person sits between D and Q. J is an immediate right of V who is third to the right of $Q$. $L$ is an immediate left of $A$.

16). How many persons are seated between O and Q ?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

17). Who is third to the right of $A$ ?
(a) D
(b) J
(c) V
(d) O
(e) None of these

18). If $J: V$ and $L: Q$, then $E: ?$
 (a) S      (b) O      (c) D      (d) A
 ( e )                          None of these

19). Who is second to the left of $L$ ?
(a) Q
(b) O
(c) E
(d) S
(e) None of these

20). Which of the following pairs represents person seated at the two extreme ends of the line?
(a) D, S
(b) $V, O$

(c) D, O
(d) $S, V$
(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 pink are grey.
II- Some grey are black.
III- All black are white.
Conclusions -
I - Some pink are black.
II - Some white are grey.
(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.

22). Statements -
I- Some ant are crab.
II- Some crab are frog.
III- Some frog are cat.
Conclusions -
1 - Some ant are frog .
II - Some cat are ant.
(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- All dog are tiger.
II- All fox are tiger.
III- Some tiger are lion.

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Vedic Mathematics

Conclusions -
1 - Some dog are lion.
II - Some fox are lion.
(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- All pear are orange.
II- All orange are lemon.
III- Some lemon are papaya.
Conclusions -
I - All pear are lemon.
II - Some papaya are orange.
(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 pink are grey.
II- All grey are black.
III- All black are white.
Conclusions -
I - All pink are black.
II - Some white are grey.
(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 -
Ten persons $A, C, D, E, J, L, O, Q, S$ and $V$ lives on separate floor of an 10 floor building, But not necessarily in the same order. Ground floor is numbered 1 , first floor is numbered 2 and so on until the topmost floor is numbered 10 . Only two persons lives between J and D. A lives on the immediately above O and immediately below E . C lives between V and J . V lives on the immediately below O . J lives on fifth floor. S lives on immediately below D . Q lives on third floor.

26). Who lives on the floor immediately above $C$ ?
(a) E
(b) A (c) V
(d) J
(e) L

27). How many person lives between the floor on which E and J live?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

28). Who among the following lives on the floor number 8?
(a) E
(b) O
(c) A
(d) S
(e) None of these

29). Who among the following lives on floor number 4?
(a) L
(b) A
(c) S
(d) D
(e) None of these
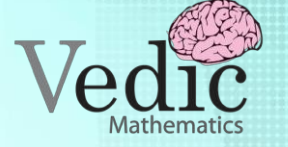
30). Who lives on the floor immediately above *L* ?
(a) E
(b) A
(c) S
(d) C
(e) J

**Directions for Questions 31-35:** Study the following arrangement carefully and answer the question given below:
Z, O, M, #, Q, 1, L, A, C, @, P, R, 6, Y, $, 8, D, B, E, F, J, 9, 7, K, M, I, 2, %, G, H, &, W, X, I, T, U, V

31). How many such vowels are there in the above arrangement each of which is immediately preceded by a consonant and also immediately followed by a consonant?
(a) Three
(b) Four
(c) One
(d) Two
(e) Five

32). How many such symbols are there in the above arrangement each of which is immediately preceded by a consonant and also immediately followed by a number?
(a) One
(b) Three
(c) Two
(d) Four
(e) Five

33). What will come place in question mark (?) in the following series based on the above arrangement?
M Q L, C P 6, ?, J 7 M
(a) Y 8 D
(b) $D B
(c) $*DE*
(d) *Y*$8
(e) None of these

34). Which of the following is fourteen to the right of sixteen from the left end?
(a) %
(b) H
(c) G
(d) &
(e) W

35). If all vowels are dropped from the above arrangement, which of the following will be twenty from the left end of the above arrangement?
(a) J    (b) 9    (c) 7    (d) K    (e) M

**Directions for Questions 36-38:** In a certain code ' The trees give us shade ' is written as ' pe, ai, me, ta, la',' Shine and shade are good is written as ' fa, ne, be, la, by', ' Good trees give breeze is written as ' by, ta, pe, ze',' Neem and banyan are trees is written as ' ci, fa, ni, pe, be'.

36). What is the code for 'shade'?
(a) Me (b) La (c) Fa (d) Be (e) ne

37). What is the code for 'good'?
(a) By (b) Pe (c) ta (d) me (e) ze

38). What is the code for 'trees'?
(a) Pe or me
(b) Pe or ai
(c) Pe or ze
(d) Pe or ta
(e) None of these

39). Rajnish go to east, turn left, then left again and then go to the right. In which direction is Rajnish moving now?
(a) South
(b) West
(c) East
(d) North
(e) None of these

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40). How many such pairs of letters are there in the word 'MOBILE' 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