

## No. Of Question: 70

Time : 90 Mins.

- What was day on 24th may 1993?  
a) Friday      b) Tuesday      c) Monday      d) Sunday
- 18 men bind 900 books in 10 days. Find how many binders will be required to bind 600 books in 12 days?  
a) 10      b) 11      c) 13      d) 15
- How many words can be formed using the word 'DAUGHTER' so that all vowels always come together:  
a) 4000      b) 4320      c) 5000      d) 5320
- There are 8 men and 7 women. In how many ways a group of 5 people can be made such that at least 3 men are there in the group?**  
A) 1545    B) 1626    C) 1722    D) 1768
- Find the no of 3 digit numbers such that atleast one of the digit is 6 (with repetitions) ?**  
A.252      B.345      C.648      D.560
- In party there is a total of 120 handshakes. If all the persons shakes hand with every other person. Then find the number of person present in the party.**  
a) 15      b) 16      c) 17      d) 18
- Find the probability of getting at least two heads when four coins tossed?  
a) 10/16      b) 11/16      c) 12/16      d) 13/16
- A bag contain 6 white balls and 4 red balls .Three balls are drawn randomly.What is the probability that one ball is red and other 2 are white**  
A)1/2      B)2/1      C)3/2      D)1/3
- P and Q throw a dice.Find the probability that P's throw is not greater than Q's through**  
A)7/5      B)12/7      C)7/12      D)7/11
- A man and his wife appear in an interview for two vacancies in the same post. The probability of husband's selection is (1/7) and the probability of wife's selection is (1/5). What is the probability that only one of them is selected ?  
a) 1/7      b) 2/7      c) 4/7      d) 3/7
- At what time between 2 and 3 o'clock will the hands of a clock be together:  
a) 10 mins past 2      b)  $10\frac{10}{11}$  min pst 2      c) 5 mins past 2      d) 20 mins past 2
- A bag contains one rupee, 50 paise and 25 paise coins in the ratio 2 : 3 : 5. Their total value is Rs. 144. The value of 50-paise coins is:  
(a) Rs. 24 (b) Rs. 36 (c) Rs. 48 (d) Rs. 72
- A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:  
A. Rs. 125      B. Rs. 1500      C. Rs. 1537.50      D. Rs. 1576
- X and Y started a business with capitals Rs. 20000 and Rs. 25000. After few months Z joined them with a capital of Rs. 30000. If the share of Z in the annual profit of Rs. 50000 is Rs. 14000, then after how many months from the beginning did Z join?  
A. 7      B. 5      C. 3      D. 4
- A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?  
A. Rs. 375      B. Rs. 400      C. Rs. 600      D. Rs. 800
- A and B can do a piece of work in 72 days, B and C can do it in 120 days; A and C can do it in 90 days. In what time can A alone do it:  
a) 80 days      b) 100 days      c) 120 days      d) 150 days
- . A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?  
A. 12 days      B. 15 days      C. 16 days      D. 18 days
- X and Y can do a piece of work in 20 days and 12 days respectively. X started the work alone and then after 4 days Y joined him till the completion of the work. How long did the work last?  
A. 6 days      B. 10 days      C. 15 days      D. 20 days
- A tap can fill a tank in 6hrs.After half the tank is filled, three more similar taps are opened. What is the total time taken to fill the tank completely ?**  
A)3hrs      B)3hrs 15 min      C)3hrs 45 min      D)4hrs
- Two pipes A and B can fill a tank in 10 minutes and 20 minutes respectively. Both the pipes are opened together but after 4 minutes, Pipe A is turned off. What is the total time required to fill the tank ?**  
A.12m      B.10m      C.8m      D.16m
- Ashwin has to travel from one point to another point in a certain time. Travelling at a speed of 6kmph he reaches 40m late and travelling at a speed of 8kmph he reaches 12 m earlier.What is the distance between this two points ?**  
A.27km    B.18km      C.15km      D.21km
- A car covers first 10 km with 40km/hr next 10km with 60 km and next 10 km in 20 km/hr. What is the average speed of the car.**  
a) 320/11      b) 330/11      c) 350/11      d) 360/11
- The distance between two cities P and Q is 300km. A train starts from station P at 10 am with speed 80 km/hr towards Q. Another train starts from Q towards P with speed 40km/hr at 11 am . At what time do they meet.**  
a) 12.20pm      b) 12.40 pm      c) 12.50 pm      d) 1 pm
- Two stations P and Q are 400 km apart from each other. One train start from P at a speed of 60km/hr towards Q and after 2 hours another train starts from Q towards P at 45 km/hr. At what distance from P the train will meet.**  
a) 220 km      b) 240 km      c) 260 kmd) 280 km
- Arun takes thrice as long to row a distance against the stream as to row the same distance in favour of the stream. The ratio of the speed of the boat in still water and stream is**  
A)3:1      B)1:2      C)2:1      D)2:3
- Sham can row a boat at 10kmph in still water. IF the speed of the stream is 6kmph, the time taken to row a distance of 80km down the stream is**  
A.4 hours    B.5hours    C.3 hours    D.2 hours
- If A earns  $33\frac{1}{3}\%$  more than B, how much percent does B earn less than A?

- a) 20%                      b) 24%                      c) 25%                      d) 28%

28. Fresh grapes contain 90% water while dry grapes contain 20% water. What is the weight of dry grapes obtained from 20 kg fresh grapes?

- a) 2 kg                      b) 2.4 kg                      c) 2.5 kg                      d) 10 kg

29. Two articles were sold at 24,000 each, one at 20% profit and other at 20% loss. What is overall profit% or loss% in transaction?

- a) 8% gain                      b) 4% profit                      c) 8% loss                      d) 4% loss

30. The CP of 19 articles is equal to the selling price of 16 articles. Gain % is:

- a)  $3\frac{9}{17}\%$                       b)  $15\frac{15}{19}\%$                       c)  $18\frac{3}{4}\%$                       d) 20%

#### Reasoning:

Directions- P @Q means P is either greater than or equal to Q

P+ Q means P is either smaller than or equal to Q

P%Q means P is greater than Q

PX Q means P is smaller than Q

P\$ Q means P is neither greater than nor smaller than Q

Now in each of the following questions assuming the given statement to be true, find which of the two conditions I and II given below them is /are definitely true? Give answer.

- 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 or II is true  
e) If both I and II is true

31. Statements : M @R , R%T , T\$ K

Conclusion : I) KXM, II) TXM

32. Statements : H%J, B+J, B@F

Conclusion: I)F\$J, II) J%F

33. If 'P\*Q' means 'P is the daughter of Q'; 'P+Q' means 'P is the father of Q'; 'P@Q' means 'P is the mother of Q' and 'P-Q' means 'P is the brother of Q', then in the expression A@B+C-E\*F, how is A related to F?

- (a) Mother  
(b) Aunt  
(c) Daughter-in-law  
(d) None of these

P/Q means P is father of Q

P+Q means P is the mother of Q

P-Q means P is the brother of Q

P\*Q means P is the sister of Q

34. If A\*B/C-D+E, then A is E's

- 1) Grand-aunt  
2) Brother  
3) Maternal uncle  
4) Mother

35. Sumit starts his journey by walking in South direction. After travelling a distance of 60 m, he turned to his right and travelled 45 m. Then he goes 30 m towards North and further travels by turning 45° in clockwise direction. In what direction is he travelling now?

- A) South-west  
B) North-east  
C) North-west  
D) South-east  
E) East

36. Anoop starts walking 15 m towards South. Now he turned North and walked for 20 m, then towards East and walked 10 m. Finally he turns towards South and walked 5 m. In which direction is he walking now and how far from original position?

- A) 10 m, North  
B) 15 m, East  
C) 10 m, East  
D) 5 m, West  
E) None of these

37. Vinay started his journey towards north to reach his office. After reaching the office he turned 180° in clockwise direction and then 45° in anticlockwise direction. Which direction is he facing now?

- A) North west  
B) South east  
C) West  
D) South west  
E) None of these

38. After walking for 7 m, Sakshi turned to her left and walked another 12 m. Again she turned to her left and walked for 4 m after which she turned to her right and reached her destination and now she is facing east. In which direction did Sakshi start her journey?

- A) West  
B) East  
C) North  
D) South  
E) South-east

39. Shilpi wants to go to market and she starts from her home which is in North and comes to a crossing. The road to her left ends in a mall and straight ahead is a park. In which direction is the market to the house? (Suppose there are 4 places in 4 directions of the crossing)

- A) 3  
B) 5  
C) 6  
D) Data inadequate  
E) None of these

Study the following information and answer the given questions:

Input : round 42 pot 25 16 blue 38 arrogant

Step 1: pot round 42 25 16 blue 38 arrogant

Step 2: pot round 25 16 blue 38 arrogant 42

Step 3: pot blue round 25 16 38 arrogant 42

Step 4: pot blue round 25 16 arrogant 42 38

Step 5: pot blue round arrogant 25 16 42 38

Step 6: pot blue round arrogant 16 42 38 25

Step 7: pot blue round arrogant 42 38 25 16

40. Input : ear walking 10 23 above head 59 37 better 14  
derivation 41

How many steps will be required to complete the above input?

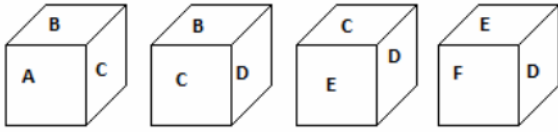
- A) 7    B) 10                      C) 8                      D) 12

41. How many elements are there between 'better' and 'derivation' in step 5 ?

A)3 B)2 C)6 D)4

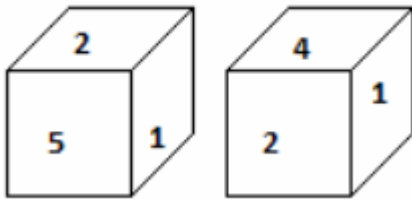
C) 23 D) 25

42. Which symbol will be on the face opposite to the face with symbol 'C' ?



a. D b. E c. B or D d. F

43. Two positions of dice are shown below. What number will appear on the opposite to the face containing '5'?



a. 2 b. 4 c. 1 d. 6

Give answer—

- (1) if only conclusion I is true.
- (2) if only conclusion II is true.
- (3) if either conclusion I or conclusion II is true.
- (4) if neither conclusion I nor conclusion II is true
- (5) if both conclusions I and II are true.

44. **Statements** : All machines are bad. Some bad are globe.

All globe are round.

**Conclusions** :I. Some machines are round.

II. No machine is round.

45. **Statements** : All cotton are jute. All jute are brown. No brown is red.

**Conclusions** :I. All brown are cotton.

II. Some jute are cotton

46. **Statements** :Some cute are tall. Some tall are rubbish. All rubbish are man.

**Conclusions** :I. Some man are tall.

II. Some cute are man.

47. **Statements** : All lights are woods.

Some papers are woods. All papers are boring.

**Conclusions** :I. Some boring are woods.

II. Some woods are lights.

48.**Statements**: Some soccer are live.

Some cover are plastic. Some plastic are real.

**Conclusions**: I. Some plastic are live

II. Some cover are real

49. In a queue, Amrita is 10th from the front while Mukul is 25th from behind and Mamta is just in the middle of the two. If there be 50 persons in the queue. What position does Mamta occupy from the front ?

A) 14th B) 16th  
C) 18th D) 20<sup>th</sup>

50. Rajan is sixth from the left end and vinay is tenth from the right end in a row of boys. If there are eight boys between Rajan and Vinay, how many boys are there in the row ?

A) 24 B) 26