**1.** A city has a population of 3,00,000 out of which 1,80,000 are males. 50% ofthepopulation is literate.If 70% of the males are literate, the number of literate females is :

(A) 20,000 (B) 24,000 (C) 30,000 (D) 34,000

**2.** The cost price of an article is Rs. 100. To gain 50% after allowing a 50% discount, the market price of the article is :(A) Rs. 200 (B) Rs. 400 (C) Rs. 350 (D) Rs. 300

**3.** In three annual examinations, of which the aggregate marks of each was 500, a student secured average marks 45% and 55% in the first and the second yearly examinations respectively. To secure 60% average total marks, it is necessary for him in third yearly examination to secure marks : (A) 300 (B) 350 (C) 400 (D) 450

**4.** If RUNNER is coded by SUMMER, the code for WINTER will be :

(A) XIMSER (B) VINTER (C) SINVER (D) VIOUER

**5.** P is 300 kms eastward of O and Q is 400 kms north of O. R is exactly in the middle of Q and P. The distance between Q and R is :(A) 300 kms (B) 350 kms (C) 250 kms (D) 250√2 kms

**6.** A man borrows Rs. 1200.00 from a bank for a period of 3 months. He finds that he has to repay Rs.1236.00. The bank rate of interest is:(A) 3% (B) 6% (C) 12% (D) 24%

**7.** In climbing a round pole of 80 metres height, a monkey climbs 5 metres in a minute and slips 2metres in the alternate minute. To get to the top of the pole, the monkey would take :

(A) 51 minutes (B) 54 minutes (C) 58 minutes (D) 61 minutes

**8.** A man travels by a car for 3 days. He traveled 10 hours each day. He drove on the first day at 45km/hr, second day at 40 km/hr and third day at 20 km/hr. His average speed was :

(A) 30 km/hr (B) 35 km/hr (C) 38 km/hr (D) 40 km/hr

**9.** Forty three persons went to a canteen which sold cold drink ‘Maaza’ and ‘Pepsi’. If 18 persons took Maaza only, 8 took Pepsi only and 5 took nothing, find how many took both the drinks : (A) 35 (B) 21(C) 12 (D) 26

**10.** A man works for 2 days and then rests for one day, then works for 2 days and rests for one day and soon. For everyday he works, he earns Rs. 100. How much will he earn from Monday to Saturday?(A) Rs. 200 (B) Rs. 300(C) Rs. 400 (D) Rs. 500

**11.** The price of T.V. set inclusive of sales tax of 9% is Rs. 13.407. Find its marked price.

(1) Rs. 12,300 (2) Rs. 11,500 (3) Rs. 12,500 (4) Rs. 12,400

**12.** 59% of 3654 ÷ 126 = ?(A) 171.1 (2) 17.11 (3) 1.711 (4) 0.1711 (5) None of these

**13.** If nine dinner plates cost Rs. 1,174/-, what is the **approximate** cost of a single plate?

(1) Rs. 125/- (2) Rs. 135/- (3) Rs. 120/- (4) Rs. 130/- (5) None of these

**14.** Ramesh and Neelesh start walking to meet one another from places 25 kms apart. If Ramesh walks at the rate of 2 kms an hour and Neelesh at 3 kms an hour, how many hours will it be before they meet?(1) 4 hrs 20 mnts (2) 5 hrs (3) 10 hrs (4) 12 hrs 30 mnts

**15.** If ‘P’ means ‘×’, ‘Q’ means ‘÷’ T means of and ‘V’ means +, then what will be the value of

85 Q 17 P 3 V ½ T 4 = ? (1) 62 (2) 31 (3) 17 (4) 19 (5) None of these

**16.** Early morning after sunrise, Rajesh was standing in front of his house in such a way that his shadow was falling exactly behind him. He starts walking straight and walks 5 metres. He turns to his left and walks 3m and again turning to his left walks 2 metres. Now in which direction is he from his starting point?(1) South (2) West (3) South-East (4) North-East (5) South-West

**17.** If ‘M S N’ means ‘M is the father of N’, ‘M ≠ N’ means ‘M is the sister of N’ and ‘M \* N’ means ‘M is the brother of N’ then what is the relation of C with A in A # B $ C \* D?

(1) Niece (2) Nephew(3) Aunt (4) Data inadequate (5) None of these

**18.** **Directions (18-19) :** Read the following information carefully and answer the questions given below:

Five flats – A, B, C, D, E. which are at equi-distance, are arranged in a semi-circle but not necessarily in the same order. The middle flat B faces towards North-East and is immediate right to D while C is to the immediate right of B. D faces which direction?

1. North (2) North-East (3) East (4) West(5) North-west

**19)** Which of the following two flats are at both the ends?

(1) A and D (2) C and D (3) B and E (4) A and E (5) Data inadequate

**20)** What should come in the place of question mark (?) in the following letter series?

ADG CFI ? QJM (1) EGJ (2) EHK (3) DFI (4) DCH (5) None of these

**21.** In a certain code language “Jo re ka” means “sweet nice sugar”, “la fi de” means “tasty sour lemon”,“fi ka tip” means “sugar and lemon” and “la re” means “nice tasty”. How will “sweet and sour” be written in that code language?

(1) Data inadequate (2) jo re ka (3) la re ka (4) la re tip (5) None of these

**22.** **Directions (11-13)** i) There are five buildings – A, B, C, D and E in a row facing towards East but not necessarily in the same order. Five other buildings – P, Q, R and T are in another row facing towards West. Thebuildings in each row are arranged infront of one another.

(ii) B is at one of the end. There is only C between B and D. A is to the immediate left of D.

(iii) R is just opposite to C and is between P and Q. S is to the immediate right of P.

Which of the following pairs is at both the ends in any of the two rows?

(1) B and A (2) Q and S (3) P and T (4) B and E (5) None of these

**23)** A is in front of which of the following buildings?(1) S (2) P (3) T (4) Q (5) R

**24** Which of the following buildings?(1) S (2) R (3) T (4) Data inadequate (5) None of these

**25.** The bar graph given below shows the data of the production of paper (in lakh tonnes) by three different companies X, Y and Z over the years.**Production of Paper (in lakh tonnes) by Three Companies X, Y and Z over the Years.**

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**25.** For which of the following years, the percentage rise/fall in production from the previous year is the maximum for Company Y? A. 1997 B. 1998 C. 1999 D. 2000

**26.** What is the ratio of the average production of Company X in the period 1998-2000 to the average production of Company Y in the same period?

A. 1:1 B. 15:17 C. 23:25 D. 27:29

**27.** The avgproduction for 5yrs was maximum for which company?A. X B. Y C. Z D. X and Z

**28.** In which year was the percentage of production of Company Z to the production of Company Y the maximum? A. 1996 B. 1997 C. 1998 D. 1999

**29.** What is the percentage increase in the production of Company Y from 1996 to 1999?

A. 30% B. 45% C. 50% D. 60%

**30.** Sam said to Rita “Your mohter’s husband’s sister is my aunt”. How is Rita related to Sam?

(1) Daughter (2) Niece (3) Sister (4) Mother

**31**) Four years ago, the average age of A and B was 18 years. At present the average age of A, B & C is 24 years. What would be the age of C after 8 years? (1) 30 (2) 32 (3) 28 (4) 25

**32.** X walked 35 metres towards South, then turned left and walked 25 metres, and again turned left and walked for 35 meters. He then turned to his right and walked 20 metres. At what distance and direction from the starting point is X now standing?(1) 20m West (2) 45m East (3) 20m East (4) 45m North

**33**. Which is the greatest five digit number exactly divisible by 279?(1) 99603 (2) 99882 (3) 99550 (4) None of these

**34.** Oranges are bought at 5 for Rs. 10 and sold at 6 for Rs. 15. The profit or loss as percentage

35. Express 1999/2111 in decimals a. 0.946 b.0.904 c. 0.893 d. 0.981

36. 10 years ago father was seven times as old as his son. 2 years hence twice his age will be equal to five times his son. What is the present age of son? (1) 15 years (2) 14 years (3) 13 years (4) 12 years

37. It takes 40 men eight days to earn Rs. 2000. How many men will earn Rs. 200 in two days?

(1) 10 (2) 14 (3) 16 (4) 20

38. [ 0.07\* 0.07 \*0.07 ---0.05\* 0.05 \*0.05] /[0.07 \*0.07\* 0.07 +0.05\* 0.05 \*0.05]

(1) 0.002 (2) 0.02(3) 0.2 (4) 0.0002

39. A pipe of 2 inch diameter fills the water tank in one hour. If the diameter of the pipe is 4 inch in what time will the pipe fill the same tank?(1) 10 min (2) 15 min (3) 30 min (4) 45

40. If the arithmetic mean of six numbers is 4.5, what is the total sum of these numbers?

41. Sam and Rita was sitting in a park in the evening looking at the sunset to the horizon. What is the direction of their right hand side?(1) East (2) West (3) North (4) South

42. Jagan went to another town covering 240 km by car moving at 60 kmph. Then he covered 400km by train moving at 100 kmph and then rest 200 km he covered by a bus moving at 50 kmph. The average speed during the whole journey was:

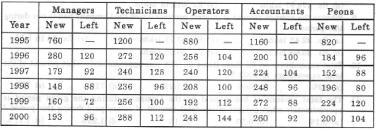
43 The area of a triangle is equal to the area of a square whose each side is 60 metres. The height of the triangle is 90 metres. The base of the triangle will be

44 A horse is tied at the corner of a rectangular field, whose length is 20m and width is 16m with a rope whose length is 14m. Find the area which the horse can graze?

(1) 156 sq.m. (2) 154 sq.m. (3) 164 sq.m. (4) 144 sq.m.

45. Ram Lal is a renowned packager of fruits in Varanasi. He packs 70 mangoes or 56 guavas every day working 7 hours a day. His wife also helps him. She packs 30 mangoes or 24 guavas working 6 hours per day. Ram Lal has to pack 3300 mangoes and 2400 guavas with help of his wife. They works alternately, each day 10 hours. His wife started packaging firs day and works every alternate days. Similarly, Ram Lal started his work second day and and worked alternatively till the completion of the work. In how many days the work will finished?

Directions (Questions )The following table shows the number of new employees added to different categories of employees in a company and also the no of employees from these categories who left the company ever since the foundation of the company in 1995.



Q46. During the period of 1995 and 2000, the total no of operators who left the company is what percent of the total number of Operators who joined the company?

A. 19% B. 21% C . 27% D. 29% E. 32%

Q47. For which of the following categories the percentage increase in the number of employees working in the company from 1996 to 2000 was maximum?

A. Managers B. Technicians C. Operators D. Accountants E. Peons.

Q48. What is the difference between total number of Technicians added to the company and total number of Accountants added to the company during the year 1996 to 2000 at the maximum?

A. 128 B. 112 C. 96 D. 88 E. 72

Q49. What was the total no. of peons working in the company in the year 1999?

A. 1312 B. 1192 C.1088 D.968 E.908

Q50. What is the pooled average of all employees in the year 1997?

A. 1325 B. 1285 C. 1265 D. 1235 E. 1195

51. Two trains leaving from two station 50 miles away from each other with constant speed of 60 miles per hour, approaches towards each other on different tracks. if length of each train is 1/6 mile. when they meet How much time they need to pass each other totally ?

52. 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of profit or loss is:  
53. If 3/p = 6 and 3/q = 15 then p – q = ?  
54. If one-third of one-fourth of a number is 15, then three-tenth of that number is:  
55. A class consists of 100 students, 25 of them are girls and 75 boys; 20 of them are rich and remaining poor; 40 of them are fair complexioned. The probability of selecting a fair complexioned rich girl is  
56. An  alloy of zinc and copper contains the metals in the ratio 5 : 3. The quantity of zinc to be added to 6 kg of the alloy so that the ratio of the metal may be 3 : 1 is:  
57. A number of cats got together and decided to kill between them 999919 mice. Every cat killed an equal number of mice. Each cat killed more mice than there were cats. How many cats do you think there were?

58. . 3 men and 8 women complete a task in same time as 6 men and 2 women do. How much fraction of work will be finished in same time if 4 men and 5 women will do that task.  
59. . If a certain computer is capable of printing 4900 monthly credit card bills per hour, while a new model is capable of printing at a rate of 6600 per hour, the old model will take approximately how much longer than the new model to print 10000 bills?  
60. 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?  
61. Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is:  
62. . Ajith was driving down the country side when he saw a farmer tending his pigs and ducks in his yard. Ajith asked the farmer how many of each he had.  The farmer replied that there were 60 eyes and 86 feet between them.  How many ducks and how many pigs were there ?

63. The ime a passenger train takes to cross another freight train is twice when the passenger train crosses the freight train running in opposite directions. What is the ratio of their speeds?

64. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

65. 21,77,165,285,......  
66. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?  
67. A constructor estimates that 3 people can paint Mr khans house in 4 days. If he uses 4 people instead of 3,how long will they take to complete the job?

68. An exhibition was conducted for 4 weeks. The number of tickets sold in 2nd work week was increased by 20% and increased by 16% in the 3rd work week but decreased by 20% in the 4th work week. Find the number of tickets sold in the beginning, if 1392 tickets were sold in the last week  
69. . The average number of visitors of a library in the first 4 days of a week was 58. The average for the 2nd, 3rd, 4th and 5th days was 60.If the number of visitors on the 1st and 5th days were in the ratio 7:8 then what is the number of visitors on the 5th day of the library?  
70. If a man reduces the selling price of a fan from 400 to 380 his loss increases by 20% .What is the cost price of fan ?  
71. . A man said to a lady, "Your mother's husband's sister is my aunt". How is the lady related to the man.  
72. . Let 13 and 273 are the HCF and LCM of two numbers respectively, and if one of them is less than 140 and greater than 60 then what will be that number?  
73. A man purchased a watch for Rs. 400 and sold it at a gain of 20% of the selling price. The selling price of the watch is ?

74. A new apartment complex purchased 60 toilets and 20 shower heads. If the price of a toilet is three times the price of a shower head, what percent of the total cost was the cost of all the shower heads?  
75. Find the smallest number which leaves 22,35, 48 and 61 as remainders when divided by 26, 39, 52 and 65 respectively.

76. When Raja was born, his father was 32 years older than his brother and his mother was 25 years older than his sister. If Raja’s brother is 6 years older than Raja and his mother is 3 years younger than his father, how old was Raja’s sister when Raja was born?

77. . If the radius of a circle is increased by 20% then the area is increased by:  
78. The average age of 10 members of a committee is the same as it was 4 years ago, because an old member has been replaced by a young member. Find how much younger is the new member?  
79. A box contains 90 bolts each of 100 gm and 100 bolts each of 150 gm. If the entire box weighs 35.5 kg., then the weight of the empty box is :  
80. . If QUESTION = DOMESTIC what will b code for RESPONSE ?