TPC test-19

Q1. A number is decreased by 1% and then increased by 1%. The number so obtained is 100 less than the original number. What was the original number?

(a) 1000   (b) 10000   (c) Data inadeauate   (d) None of these

Q2. A bag contains notes only of Rs. 5, Rs. 10, and Rs. 20. The ratio of the number of Rs. 5 notes to the number of Rs. 10 notes is 11 : 8 and the ratio of Rs. 10 notes to the number of Rs. 20 notes is 10 : 7. The total amount in the bag is Rs. 7410. The number of Rs. 10 notes in the bag is :

(a) 120   (b) 90   (c) 200   (d) 180   (e) None of the above

Q3. A and B together can finish a piece of work in 40 days. They started working together, and worked for 25 days, Then A left B completed the remaining work in 30 days. In how many days will B alone complete the whole work ?

(a) 60 days   (b) 80 days   (c) 100 days   (d) 50 days

Q4. A Shopkeeper sells two articles at Rs.800 each, making a profit of 20% on the first article and a loss of 20% on the second article. Find the net Profit or loss that he makes?

(a) 4% loss   (b) 5% loss   (c) 4% gain   (d) 8% gain   (e) No profit no loss

Q5. A student erroneously multiplied a number by 2/5 instead of 5/2.What is the percentage error in the calculation?

(a) 24%   (b) 54%   (c) 74%   (d) 84%

Q6. The simple interest on ₹ 8,000 in 3 years at the rate of x % per annum equals the simple interest on ₹ 10,000 at the rate of 12% per annum in 2 years. The value of x is

(a) 10 %   (b) 6 %   (c) 8 %   (d) 9 %

Q7. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half. The number of pupils in the class is :

(a) 45   (b) 40   (c) 39   (d) 37

Q8. Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman?

(a) 3 : 4   (b) 4 : 3   (c) 5 : 3   (d) Data inadequate

Q9. Rs. 16800 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2:3, 4:5 and 6:7 respectively. The share of A is

(a) Rs. 1280   (b) Rs. 8400   (c) Rs. 8210   (d) Rs. 2560

Q10. Speed of a boat is 8 km/hr in still water and the speed of the stream is 2 km/hr. If the boat takes 8 hours to go to a place and come back, then what is the distance (in km) of the place?

(a) 24   (b) 30   (c) 45   (d) 42

Q11. A, B and C started a business in partnership. Initially, A invested Rs. 29,000, while B and C invested Rs. 25,000 each. After 4 months, A withdrew Rs. 3,000. After 2 more months, C invested Rs. 12,000 more. Find the share of C(in Rs.) in the profit of Rs. 33,200 at the end of the year.

(a) 12,400   (b) 11,067   (c) 10,800   (d) 10,000

Q12. If the price of petrol has increased from Rs. 83.33 per litre to Rs. 116.66 per litre, by how much percent a person has to decrease his consumption so that his expenditure remains same.

(a) 66.67%   (b) 40%   (c) 33.33%   (d) 45%   (e) None of these

Q13. The average age of a husband and his wife was 29 years at the time of their marriage. After five years they have a one-year old child. The average age of the family now is :

(a) 25   (b) 23   (c) 19   (d) 23

Q14. If the cost price of 24 pens is equal to the selling price of 30 pens, the gain/loss percent is?

(a) 20% loss   (b) 30% profit   (c) 50% loss   (d) 60% loss

Q15. On dividing 2272 as well as 875 by 3-digit number N,we get the same remainder.The sum of the digits of N is:

(a) 13   (b) 12   (c) 11   (d) 10

Q16.If a : b = 3 : 2, b : c = 2 : 1, c : d = 1/3 : 1/7 and d : e = 1/4 : 1/5 find a : b : c : d : e.

(a) 100 : 75 : 30 : 15 : 12   (b) 100 : 30 : 75 : 12 : 15   (c) 105 : 70 : 35 : 15 : 12   (d) 105 : 35 : 70 : 15 : 12

Q17. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?

(a) 35   (b) 40   (c) 45   (d) 50

Q18. The compound interest on Rs. 30,000 at the rate of 9% per annum for a certain period of time is Rs. 5,643, then find the time period.

(a) 2 years   (b) 3 years   (c) 1.5 years   (d) 2.5 years

Q19. Running at a speed of 72 km per hour, a train passed through a 1.5 km long tunnel in two minutes, What is the length of the train ?

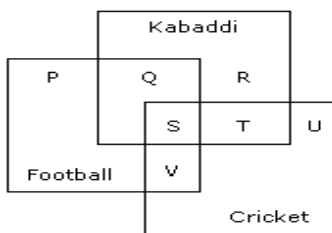(a) 250 m   (b) 500 m   (c) 900 m   (d) 1500 m

Q20. Let the least number of six digits which when divided by 4, 6, 10, 15 leaves in each case same remainder 2 be N. The sum of digits in N is = ?

(a) 3   (b) 5   (c) 4   (d) 6

Q21. 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) 2/7   (b) 1/7   (c) 3/4   (d) 4/5

Q22. The diagram given below represents those students who play Cricket, Football and Kabaddi.

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              Kabaddi
        ┌───────────────┐
   ┌────┼────┬──────┐   │
   │ P  │ Q  │  R   │   │
   │    │  ┌─┴──┬───┼─┐ │
   │    └──┤ S  │ T │U│ │
   │Football│    │   │ │ │
   │    │ V │    │   │ │
   └────┼───┘    │   └─┘
        │     Cricket│
        └────────────┘
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Study the diagram and identify the students who play all the three games.

(a) P + Q + R   (b) V + T   (c) S + T + V   (d) S

Q23. Arrange the words given below in a meaningful sequence.

1. Protect	2. Pressure	3. Relief
4. Rain	5. Flood	

(a) 2, 4, 3, 1, 5   (b) 2, 4, 5, 1, 3   (c) 2, 5, 4, 1, 3   (d) 3, 2, 4, 5, 1

Q24. One morning after sunrise, Vikas started towards his friend Sam who was coming from opposite direction. Vikas watch that the shadow of Sam to the right of Vikas. To Which direction Vikas was facing?

(a) East   (b) West   (c) South   (d) Data inadequate

Q25. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus ?

(a) 15   (b) 30   (c) 36   (d) 45

Q26. Which one will replace the question mark ?

4	5	6
2	3	7
1	8	3
21	98	?

(a) 94   (b) 76   (c)16   (d) 73

Q27. In the following question two statements are given. Which are followed by four conclusions (1), (2), (3) and (4). Choose the conclusions which logically follow from the given statements.

Statements: Some pens are books. Some books are pencils.
Conclusions:
1. Some pens are pencils.

2. Some pencils are pens.

3. All pencils are pens.

4. All books are pens.

(a) Only (1) and (3)   (b) Only (2) and (4)   (c) All the four   (d) None of the four   (e) Only (1)

Q28. Choose the alternative which is closely resembles the water-image of the given combination.

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(1) ΛVΛΠ8▸Ɛ9   (2) ΛVΛΠ8ɹ3ɘ
(3) ΛVΛΠ8ɹ39   (4) ΛVΛΠ8ɹƐɘ

(a) 1   (b) 2   (c) 3   (d) 4

Q29. This problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

The Shop and Save Grocery is south of Greenwood Pharmacy.
Rebecca's house is northeast of Greenwood Pharmacy.
Rebecca's house is west of the Shop and Save Grocery.
If the first two statements are true, the third statement is
(a) true   (b) false   (c) uncertain

Q30. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH ?

(a) 246173   (b) 214673   (c) 214763   (d) 216473

Q31. April 1, 1992 was Wednesday. What day of the week lies on April 1, 2008?

(a) Monday   (b) Tuesday   (c) Wednesday   (d) Sunday

Q32. The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:

(a) 80°   (b) 75°   (c) 60°   (d) 105°

Q33. Find the next term in the series 1, 30 5, 26, 9, 22, 13, 18, ?
(a) 17   (b) 22   (c) 28   (d) 19

Q34. There are six persons A. B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group. Who is the mother?
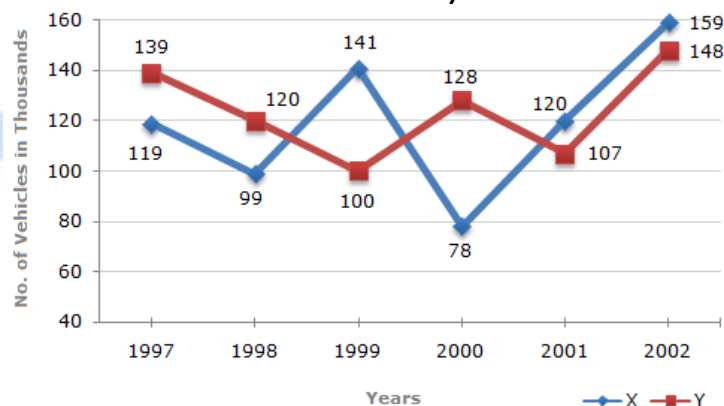
(a) A   (b) B   (c) C   (d) E

Q35. In the following questions consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

- Scales : Fish

(a) Bear : Fur   (b) Woman : Dress   (c) Skin : Man   (d) Tree : Leaves

Direction for question (36-40): Study the following line graph and answer the questions based on it.

Number of Vehicles Manufactured by Two companies ove the Years (Number in Thousands)

Q36. What is the difference between the number of vehicles manufactured by Company Y in 2000 and 2001?

(a) 50000   (b) 42000   (c) 33000   (d) 21000

Q37. What is the difference between the total productions of the two Companies in the given years ?

(a) 19000   (b) 22000   (c) 26000   (d) 28000

Q38. What is the average numbers of vehicles manufactured by Company X over the given period ? (rounded off to nearest integer)

(a) 119333   (b) 113666   (c) 112778   (d) 111223

Q39. In which of the following years, the difference between the productions of Companies X and Y was the maximum among the given years ?

(a) 1997   (b) 1998   (c) 1999   (d) 2000

Q40. The production of Company Y in 2000 was approximately what percent of the production of Company X in the same year ?

(a) 173   (b) 164   (c) 132   (d) 97

Answer key

1	D	9	D	17	B	25	D	33	A
2	E	10	B	18	A	26	A	34	D
3	B	11	A	19	C	27	D	35	C
4	A	12	E	20	B	28	B	36	D
5	D	13	D	21	A	29	B	37	C
6	A	14	A	22	D	30	B	38	A
7	B	15	D	23	B	31	B	39	D
8	B	16	C	24	C	32	B	40	B