

## TPC test-14

Direction : Each of the following questions is based on the following information:

- Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U.
- Q gets a North facing flat and is not next to S.
- S and U get diagonally opposite flats.
- R next to U, gets a south facing flat and T gets North facing flat.

Q1. If the flats of P and T are interchanged then whose flat will be next to that of U?

- (a) P                      (b) Q                      (c) R                      (d) T

Q2. Which of the following combination get south facing flats?

- (a) QTS                      (b) UPT                      (c) URP                      (d) Data is inadequate

Q3. The flats of which of the other pair than SU, is diagonally opposite to each other?

- (a) QP                      (b) QR                      (c) PT                      (d) TS

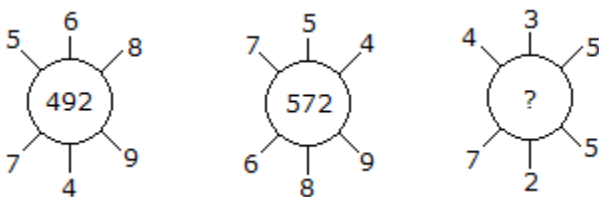
Q4. Whose flat is between Q and S?

- (a) T                      (b) U                      (c) R                      (d) P

Q5. In a class of 60 students, the number of boys and girls participating in the annual sports is in the ratio 3 : 2 respectively. The number of girls not participating in the sports is 5 more than the number of boys not participating in the sports. If the number of boys participating in the sports is 15, then how many girls are there in the class ?

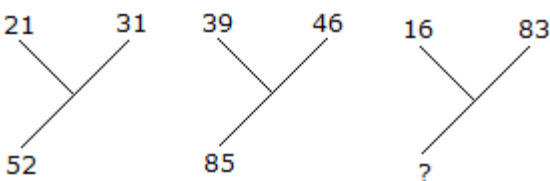
- (a) 20                      (b) 25                      (c) 30                      (d) Data inadequate                      (e) None of these

Q6. Which one will replace the question mark ?



- (a) 115                      (b) 130                      (c) 135                      (d) 140

Q7. Which one will replace the question mark ?



- (a) 92                      (b) 72                      (c) 62                      (d) 99

Q8. Arrange the words given below in a meaningful sequence.

1. Nation	2. Village	3. City
4. District	5. State	

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

Q9. All the tulips in Zoe's garden are white.

All the pansies in Zoe's garden are yellow.

All the flowers in Zoe's garden are either white or yellow

If the first two statements are true, the third statement is

- (a) true      (b) false      (c) uncertain

Q10. In question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusion and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Give answer:

- (A) If only conclusion I follows
- (B) If only conclusion II follows
- (C) If either I or II follows
- (D) If neither I nor II follows and
- (E) If both I and II follow.

Statements: No women teacher can play. Some women teachers are athletes.

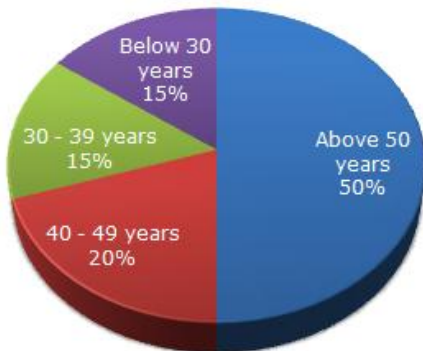
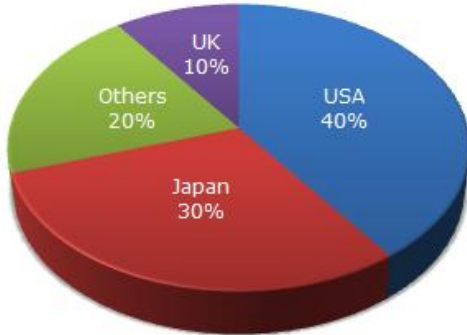
Conclusions:

1. Male athletes can play.
2. Some athletes can play.

- (a) Only conclusion I follows  
(b) Only conclusion II follows  
(c) Either I or II follows  
(d) Neither I nor II follows  
(e) Both I and II follow

Directions : The following pie charts exhibit the distribution of the overseas tourist traffic from India. The two charts shows the tourist distribution by country and the age profiles of the tourists respectively.

**Distribution of Overseas Tourist Traffic from India.**



Q11. What percentage of Indian tourist went to either USA or UK ?

- (a) 40 %                      (b) 50 %                      (c) 60 %                      (d) 70 %

Q12. The ratio of the number of Indian tourists that went to USA to the number of Indian tourists who were below 30 years of age is ?

- (a) 2:1                      (b) 8:3                      (c) 3:8                      (d) Cannot be determined

Q13. If amongst other countries, Switzerland accounted for 25% of the Indian tourist traffic, and it is known from official Swiss records that a total of 25 lakh Indian tourists had gone to Switzerland during the year, then find the number of 30-39 year old Indian tourists who went abroad in that year ?

- (a) 18.75 lakh                      (b) 25 lakh                      (c) 50 lakh                      (d) 75 lakh

Direction : Each of these questions is based on the following information:

1. M % N means M is the son of N.
2. M @ N means M is the sister of N.
3. M \$ N means M is the father of N.

Q14. Which of the following shows the relation that C is the granddaughter of E?

- (a) C % B \$ F \$ E                      (b) B \$ F \$ E % C                      (c) C @ B % F % E                      (d) E % B \$ F \$ C

Q15. Which of the following shows the relation that S is the father of Q?

- (a) S @ P \$ Q                      (b) Q @ P % S                      (c) Q \$ S @ P                      (d) None of these

Q16. In each of the following questions find out the alternative which will replace the question mark.

Ornithologist : Bird :: Archaeologist : ?

- (a) Islands (b) Mediators (c) Archaeology (d) Aquatic

Q17. Look at this series: 664, 332, 340, 170, \_\_\_\_, 89, ... What number should fill the blank?

- (a) 85 (b) 97 (c) 109 (d) 178

Q18. In a certain code 'ROAR' is written as 'URDU'. How is 'URDU' written in that code?

- (a) V X D Q (b) XUGX (c) ROAR (d) VSOV (e) V Z C P

Q19. In a certain code, NEWYORK is written as 111, how is NEWJERSEY written in that code?

- (a) 123 (b) 124 (c) 135 (d) None of these

Q20. Find out the wrong number in the given sequence of numbers.

582, 605, 588, 611, 634, 617, 600

- (a) 634 (b) 611 (c) 605 (d) 600

Q21. In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. If D got 640 marks out of 1000, the marks obtained by A were:

- (a) 405 (b) 900 (c) 360 (d) 400

Q22. 20% loss on selling price is what percent loss on cost price?

- (a) 25% (b) 20% (c) 16.66% (d) None of these

Q23. After the GST, market price of loose sugar decrease by 25% because of which Kavya now is able to buy 1 kg more sugar for Rs. 30. Find the reduced rate of sugar per kilogram.

- (a) Rs. 17.5 (b) Rs. 7.5 (c) Rs. 10 (d) Rs. 7.3

Q24. Write a Pythagorean triplet whose one member is 16

- (a) 16, 63, 65 (b) 16, 32, 48 (c) 16, 23, 28 (d) 16, 18, 20

Q25. A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 hours while machine R can print them in 12 hours. All the machines are started at 9 A.M. while machine P is closed at 11 A.M. and the remaining two machines complete work. Approximately at what time will the work (to print one lakh books) be finished ?

- (a) 11:30 A.M. (b) 12 noon (c) 12:30 P.M. (d) 1:00 P.M.

Q26. Aman invested a sum of Rs. 60 lakhs in at simple interest rates in two different schemes A and B. On A he earns interest at 18% per annum, while on B it is 12% per annum. If the he receive 13.5% per annum overall. Find the money invested on scheme B?

- (a) 15 lakhs (b) 45 lakhs (c) 30 lakhs (d) None of these

Q27. Find the average of two-digit numbers which remains the same when their digits interchange their position?

- (a) 11                      (b) 33                      (c) 55                      (d) None of these

Q28. Two pipes A and B can alone fill a cistern in 60 minutes and 75 minutes respectively. There is a third pipe in the bottom of the cistern to empty it. If all the three pipes are opened together, then the cistern is full in 50 minutes. In how much time the third pipe alone can empty the cistern?

- (a) 110 minutes                      (b) 100 minutes                      (c) 120 minutes                      (d) 90 minutes

Q29. A sum of money become double itself at simple interest in 12 years. In how many years it will be 4 times ?

- (a) 12 years                      (b) 24 years                      (c) 36 years                      (d) 48 years

Q30. The ratio between the speeds of three trains is 5 : 4 : 6. What will be the ratio of their time?

- (a) 6 : 4 : 5                      (b) 4 : 5 : 6                      (c) 12 : 15 : 10                      (d) None of these

Q31. The price of petrol is increased by 16.66%. by what percent a man has to reduce the consumption in order to keeping the expenditure same ?

- (a) 16.66%                      (b) 14.28%                      (c) Data inadequate                      (d) None of these

Q32. At what rate of compound interest per annum, a sum of Rs. 1200 becomes Rs. 1399.68 in 2 years?

- (a) 5%                      (b) 6%                      (c) 7%                      (d) 8%

Q33. A student has to obtain 35% of the total marks to pass. He got 120 marks and failed by 20 marks. The maximum marks are:

- (a) 400                      (b) 500                      (c) 600                      (d) 700

Q34. 10 years ago, the average age of a family of 4 members was 24 years. Two children having been born (with age difference of 2 years), the present average age of the family is the same. The present age of the youngest child is :

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

Q35. The average age of girls in a class is 20 years that of the boys is 30 years. If the mean age of the class is 23.33 years, and there are 36 girls in class. Find the total number of students in the class?

- (a) 16                      (b) 32                      (c) 48                      (d) 54

Q36. Which of the following can not be the perfect square of a natural number?

- (a) 1057                      (b) 1849                      (c) 6241                      (d) None of these

Q37. The sum of two numbers is 114 and their HCF is 19. Find the number of all the possible pairs of such numbers.

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

Q38. A piggy bank contains hundred 50 p coins, fifty ₹ 1 coins, twenty ₹ 2 coins and ten ₹ 5 coins. If it is equally likely that one of the coins will fall out when the bank is turned upside down, what is the probability that the coin will be a Rs. 2 coin?

- (a)  $\frac{1}{2}$                       (b)  $\frac{1}{3}$                       (c)  $\frac{1}{4}$                       (d) None of these

Q39. A flooring tile has the shape of a parallelogram whose base is 24 cm and the corresponding height is 10 cm. How many such tiles are required to cover a floor of area 1080 m<sup>2</sup>?

- (a) 25000                      (b) 30000                      (c) 45000                      (d) None of these

Q40. A began a business with Rs. 15000. He was joined afterwards by B with Rs. 20000. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1?

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

### Answer key

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