



INTSO EDUCATION

APTITUDE TALENT SEARCH OLYMPIAD (ATSO) 2015 - 2016

STAGE - 2

TIME : 60 min.

CLASS : IX

Max. Marks : 50

Instructions:

- ⇒ Fill the OMR sheet completely and carefully.
- ⇒ Each question carries one mark and has only one correct answer. $\frac{1}{4}$ (one fourth) marks will be deducted for indicating incorrect response of each question.
- ⇒ The question paper contains 50 questions to be answered in 60 minutes.

NUMBER SERIES :

1. 24576, 6144, 1536 _____, 96, 24 []
1) 234 2) 328 3) 282 4) 384
2. 93, 309, 434, 498, _____ []
1) 562 2) 521 3) 525 4) 696
3. 6, 15, 35, 77, 165, _____ []
1) 218 2) 354 3) 198 4) 343

LETTER SERIES :

4. GH, JL, NQ, SW, YD, _____ []
1) EJ 2) FJ 3) EL 4) FL
5. X6D, U14G, R45J, O184M, _____ []
1) L935P 2) P920L 3) L925P 4) L965P
6. X, A, J, K, _____ []
1) L 2) M 3) N 4) O

NUMBER ANALOGY :

7. 28 : 20 :: 42 : _____ []
1) 24 2) 27 3) 30 4) 26
8. 6 : 18 :: 4 : _____ []
1) 2 2) 6 3) 8 4) 16
9. 4 : 256 :: 6 : _____ []
1) 216 2) 1296 3) 256 4) 343

LETTER ANALOGY :

10. EIGHTY : GIEYTH :: OUTPUT : ? []
1) TUOTUP 2) TUOUTP 3) UTOPTU 4) UOTUPT
11. Computer : fqprxvht :: language : _____ []
1) oxpidxdig 2) ocqicyig 3) ocqixcig 4) ocqixcig
12. BUCKET : ACTVBDJLDFSU :: BONUS : _____ []
1) ACMNMOTVRT 2) SUNOB 3) ACNPMOTVRT 4) ACMNMOTURT
13. Tehran : Iran :: Beijing : ? []
1) China 2) Japan 3) Turkey 4) Malaysia

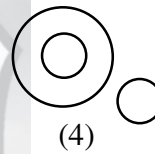
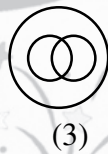
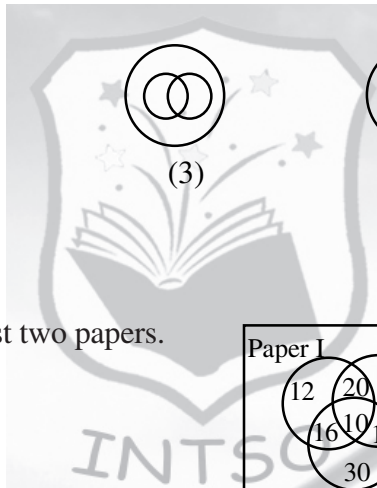
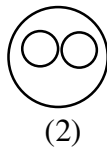
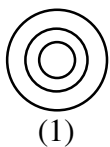
CODING & DECODING :

14. If “Ski rps tri” Stands for “nice sunday morning”, “the sti rps” stands for “every tuesday morning” and “ski ptr qlm” stands for “nice market place” which word stands for “sunday” ? []
 1) Ski 2) rps 3) tri 4) qlm
15. If E = 5 and HOTEL = 12, how will you code LAMB ? []
 1) 7 2) 10 3) 26 4) 28
16. If MOBILITY is coded as 46293927, then EXAMINATION is coded as []
 1) 45038401854 2) 56149512965 3) 57159413955 4) 67250623076

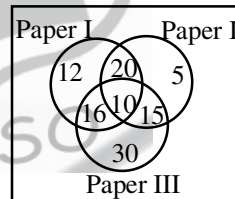
ODDMAN OUT :

17. 1) BDW 2) DFU 3) FHS 4) GIQ []
- 18) 1) DG2 2) EK5 3) JR6 4) PY8 []
19. 1)ZGPKU 2) FRGSP 3) NEXFL 4) LANDP []
20. 1) 57 2) 87 3) 131 4) 133 []
21. 1) 5698 2) 7894 3) 9865 4) 8793 []

VENNDIAGRAMS :



22. Plums, Tomatoes, Fruits []
23. Engineer, Doctor, People []
24. How many people read atleast two papers. []
 1) 51
 2) 61
 3) 91
 4) 81



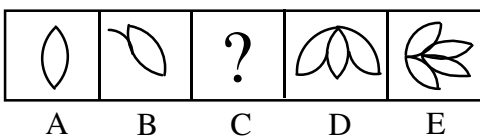
(25, 26) SEATING ARRANGEMENTS

A,B,C,D,E,F and G are sitting in a circle and are facing the centre.

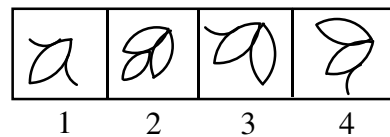
- i) G is second to the left of c, who is to the immediate left of F.
 ii) A is third to the left of E.
 iii) B is between D and E.

25. What is the position of D with respect to A ? []
 1) 2nd Right 2) 2nd Left 3) 3rd Right 4) 3rd Left
26. Who is sitting immediate left of A ? []
 1) C 2) G 3) B 4) D

Non Verbal Series



ANSWER FIGURES



27. []

NON VERBAL ANALOGY :

PROBLEM FIGURES

28.

A	B	C	D

1	2	3	4

 []

29.

A	B	C	D

F M	W F	F M	F W
E W	E M	E ^W	E M
1	2	3	4

 []

NON VERBAL CLASSIFICATION : CHOOSE THE EXCLUSIVE DIFFERENT FIGURE :

30.

1	2	3	4

 []

31. What is the LCM of $\frac{2}{3}$, $\frac{5}{6}$ and $\frac{9}{7}$ []

- 1) 180 2) 90 3) $\frac{80}{79}$ 4) $\frac{80}{21}$

32. What is the least number which when divided by 25, 40 and 60 leaves a remainder 5 in each case []

- 1) 1205 2) 607 3) 605 4) 305

33. The greatest number which will divide 25,73 and 97 so as to leave the same remainder in each case. []

- 1) 12 2) 18 3) 24 4) 36

34. A fathers age is 3 times the sum of the ages of his two son's. But 20 years hence fathers age will be equal to the sum of their ages. Then the fathers age is []

- 1) 30 years 2) 40 years 3) 35 years 4) 45 years

35. By selling 15 books, a man gains the selling price of 3 books as profit then what is the profit percent []

- 1) 25 % 2) 20 % 3) 15 % 4) 10 %

36. A reduction of 20% in the price of mangoes enables a person to purchase 12 more for Rs 15. The price of 16 mangoes before reduction was []

- 1) Rs 5 2) Rs 6 3) Rs 7 4) Rs 9

37. Monthly income of x and y are in the ratio 3 : 2 and their and their monthly expences are in the ratio of 5 : 3. If each of them saves 1000/- per month. Find the income of X. []

- 1) Rs 9000 2) Rs 4000 3) Rs 6000 4) Rs 3000

38. A started a business with Rs 50,000 after two months B joined with an investment Rs. 60,000 if the total profit at the end of the year is Rs. 22,000 then find the share of A []

- 1) 9,000 2) 12,000 3) 10,000 4) 11,000

39. The area of the square is increased by 96%. By how much percent its side be increased? []

- 1) 96% 2) 9.6% 3) 40 % 4) 32 %

40. If each side of a cube is doubled by what percentage will its volume be increased ? []
1) 800 % 2) 600 % 3) 700 % 4) 400 %
41. A metallic sphere of diameter 20 cm is melted and then recast into small spherical balls each of radius 0.25 cm. The number of such balls that can be made is _____ []
1) 46, 000 2) 50, 000 3) 64, 000 4) 72, 000
42. A can do a piece of work in 20 days which B can do in 12 days. B started and worked for 9 days. A can finish the remaining work in how many days []
1) 3 days 2) 5 days 3) 7 days 4) 11 days
43. A can complete of piece of work in 18 days. B is 20 % more efficient than A. The number of days B takes to complete the same piece of work is []
1) 15 days 2) 12 days 3) 10 days 4) 9 days
44. Pipe A, pipe B, pipie C can fill a tank in 5 hours, 10 hours and 30 hours respectively. If all the pipes are open, in how many hours will the tank be filled ? []
1) 2 2) 2.5 3) 3 4) 3.5
45. A boat whose speed in the still water is 16 kmph covers a distance of 30 km upstream and then returns taking four hours in total. What is the speed of the current []
1) 2 kmph 2) 3 kmph 3) 4 kmph 4) 5 kmph
46. A is twice as fast as B and B is thrice as fast as C. The journey covered by C in 42 minutes will be covered by A in []
1) 14 min 2) 28 min 3) 63 min 4) 7 min
47. A man travels from A to B at a speed of 60 kmph and from B to A at a speed of 40 kmph. find the average speed of the whole journey []
1) 50 kmph 2) 48 kmph 3) 30 kmph 4) 35 kmph
48. The average speed of a bus including stopages was 36 kmph and excluding stopages was 40 kmph. How many minutes per hour does the bus stop. []
1) 10 min 2) 6 min 3) 15 min 4) 12 min
49. A person saves 5 minutes by increasing his speed by 20%. What is the time taken to cover the distance at his usual speed. []
1) 25 minutes 2) 30 minutes 3) 45 minutes 4) 5 minutes
50. A man travelled some distance by bicycle and returns by scooter. He took 2 hours 20 minutes to cover both sides journey. If he would have travelled the whole journey by bicycle then he would have taken 3 hours 30 minutes. What would have time taken if whole journey had been covered by scooter. []
1) 60 min 2) 65 min 3) 70 min 4) 75 min

