



INTSO EDUCATION

APTITUDE TALENT SEARCH OLYMPIAD (ATSO) 2015 - 2016

STAGE - 2

TIME : 60 min.

CLASS : VII

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. 0, 6, 24, 60, 120, 210, _____ []
1) 240 2) 290 3) 336 4) 504
2. $111\frac{1}{9}$, 125, $142\frac{6}{7}$, _____, 200, 250 []
1) $166\frac{2}{3}$ 2) $178\frac{4}{7}$ 3) $181\frac{2}{5}$ 4) $192\frac{3}{7}$
3. 3, 4, 10, 33, 136, _____ []
1) 235 2) 685 3) 642 4) 486
4. 10, 17, 26, 37, 50, _____ []
1) 82 2) 64 3) 81 4) 65
5. 46080, 3840, 384, 48, _____ []
1) 16 2) 4 3) 8 4) 6

LETTER SERIES :

6. DHL, PTX, BFJ, _____ []
1) CGK 2) KOS 3) NRV 4) RVZ
7. CD, XW, IH, RS, KJ, _____ []
1) QR 2) PQ 3) ST 4) TU
8. AE, IL, PR, VW, _____ []
1) GX 2) AA 3) CC 4) EF
9. BMO, EOQ, HQS, _____ []
1) KSU 2) LMN 3) SOV 4) SOW
10. G4T, J9R, M20P, P43N, _____ []
1) S80L 2) S90L 3) P90Q 4) P80T

NUMBER ANALOGY :

11. 68 : 130 :: ? : 350 []
1) 210 2) 216 3) 222 4) 240
12. 42 : 20 :: 64 : ? []
1) 31 2) 32 3) 33 4) 34

13. $182 : ? :: 210 : 380$ []
 1) 156 2) 240 3) 272 4) 342
14. $49 : 512 :: 81 : \underline{\hspace{2cm}}$ []
 1) 1000 2) 100 3) 121 4) 1331
15. $23 : 96 :: 34 : \underline{\hspace{2cm}}$ []
 1) 136 2) 150 3) 120 4) 140

LETTER ANALOGY :

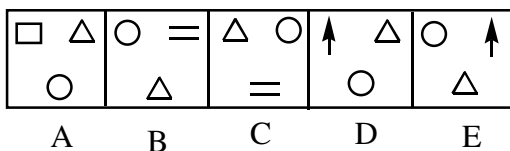
16. $BIGE : JQOM :: RYMU : \underline{\hspace{2cm}}$ []
 1) AGFD 2) ZFDB 3) ZGUC 4) ZYVX
17. $FILM : ADGH :: MILK : \underline{\hspace{2cm}}$ []
 1) ADGF 2) HDGE 3) HDGF 4) None
18. $DE : 10 :: HI : \underline{\hspace{2cm}}$ []
 1) 17 2) 20 3) 36 4) 46
19. $\text{Rupee : India} :: \text{Yen} : \underline{\hspace{2cm}}$ []
 1) Turkey 2) Bangladesh 3) Japan 4) Pakistan
20. $\text{Reading : knowledge} :: \text{Work} : ?$ []
 1) Experience 2) Engagement 3) Employment 4) Experiment

CODING & DECODING :

21. In a certain code "PRODUCTS" is written as "NPMBSARQ" then "COMPREHENSION" would be coded as []
 1) AMKNPCFCLQMLQ 2) AMKNPCFCLQGML
 3) AMKNPCFCLQGNL 4) AMKNPCFCKOML
22. If "CAB" is coded as WUV. How is "DEAF" coded in the language ? []
 1) XYUZ 2) UWYV 3) XWUY 4) UYXZ
23. If $A = 2, M = 26, Z = 52$, then $BET = ?$ []
 1) 44 2) 54 3) 64 4) 72
24. If REQUEST is written as S2R52TU, then how will ACID be written ? []
 1) 1394 2) IC94 3) 1D3E 4) B3J4
25. If in a certain language, POPULAR is coded as QPQVMBS, which word would be coded as GBNPVT ? []
 1) FARMER 2) FAMOUS 3) FRAMES 4) FAMOTH

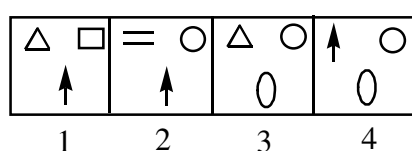
NON VERBAL SERIES :

PROBLEM FIGURES

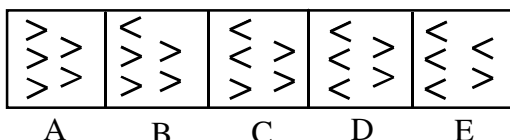


26.

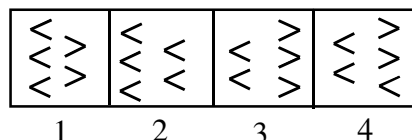
ANSWER FIGURES



[]



27.



[]

40. The ratio of three numbers is 3 : 4 : 7 and their product is 18144. The numbers are []
1) 9, 12, 21 2) 15, 20, 25 3) 18, 24, 42 4) None

PERCENTAGES :

41. The ratio 5 : 4 expressed as a percent equals []
1) 12.5% 2) 40% 3) 80% 4) 125%
42. 270 candidates appeared for an examination, of which 252 passed. The pass percentage is []
1) 80% 2) $83\frac{1}{2}\%$ 3) $90\frac{1}{3}\%$ 4) $93\frac{1}{3}\%$
43. What percent of 7.2 kg is 18 gms ? []
1) 0.25% 2) 0.025% 3) 2.5% 4) 25%
44. If 15% of 40 is greater than 25% of a number by 2, then the number is []
1) 12 2) 16 3) 24 4) 32
45. A student has to obtain 33% of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are ? []
1) 300 2) 500 3) 800 4) 1000

PROFIT & LOSS :

46. A shopkeeper sells two watches for Rs. 308 each. On one he gets 12% profit and on the other 12% loss. His profit or loss percent in the entire transaction was ? []
1) Neither profit nor loss 2) $1\frac{11}{25}\%$ loss
3) $1\frac{11}{25}\%$ profit 4) $3\frac{2}{25}\%$ loss
47. The difference between the cost price and sale price of an article is Rs. 240. If the profit is 20% the selling price is []
1) Rs 1240 2) Rs. 1400 3) Rs. 1600 4) None
48. Some articles were bought at 6 for Rs. 5 and sold at 5 for Rs. 6 gain percent is ? []
1) 30% 2) $33\frac{1}{3}\%$ 3) 35% 4) 44%
49. A man bought a horse and a carriage for Rs. 3000. He sold the horse at a gain of 20% and the carriage at a loss of 10% there by gaining 2% on the whole. Find the cost of the horse. []
1) 1000 2) 800 3) 1200 4) 1600
50. A pair of articles was bought for Rs. 37.40 at a discount of 15%. What must be the market price of each of the articles ? []
1) Rs. 11 2) Rs. 22 3) Rs. 33 4) Rs.44

