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National Talent Search

Paper Type: Part – I (GMAT)

Class - X

Answer Sheet Code:01

Date:

Total Max. Marks:200

Part - I : General Mental Ability Test [Time 120 Minutes Max Mark: 100]

Part - II : Scholastic Aptitude Test [Time 120 Minutes Max Mark: 100]

TO BE COMPLETED BY THE CANDIDATE

Name

SID. No Signature of the candidate.....

DIRECTION TO CANDIDATES

1. Attempt all questions.
2. All questions carry on mark each.
3. This test booklet is divided into two parts. Part I contains 100 questions of General Mental Ability Test. Part II contains 100 questions of scholastic Aptitude test, all the questions is to be attempted.
4. Begin with the first question and keep on trying one question after another till you finish it.
5. If you do not know the answer to the any question, do not spend much time on it and pass on to the next one. If time permits, you can come back to the questions which you have left in the first instance and try them again.
6. Since the time allotted for the question paper is very limited, you should make the best use of it by not spending too much time on any one question.
7. Blank pages have been provided for rough.
8. Remember, you have to mark answer on the separate Answer sheet.
9. Answer Sheet has two specific Part – I (Mental Ability Test) from serial no 01 to 100, Part – II scholastic (Aptitude test) from 101 to 200.
10. Answer to each question is to be indicated by writing the number of the correct alternative in the answer sheet in the box provided against each question.

Examination Superintendent

Signature of Guardian

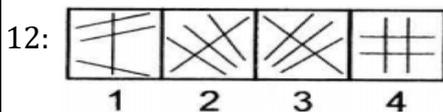
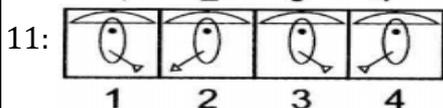
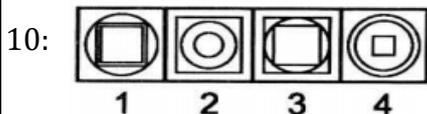
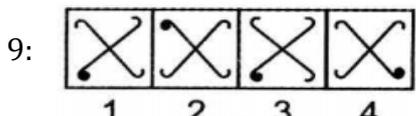
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**(Part – I)
General Mental Ability Test**

Direction: From question 01 and 12 each question has four Term. These terms are alike in some way. One term is different from three others. Find out the correct term which is different from three others and write its alternative number on your answer sheet against the proper questions number.

- 1: 1. Guru Ramadas
2. Guru Govind Singh
3. Guru Granth Sahib
4. Guru Nanak Dev
- 2: 1. Anxiety 2. Anger
3. Sorrow 4. Feeling
- 3: 1. Octopus 2. Dolphin
3. Penguin 4. Seal
- 4: 1. 289 2. 216
3. 512 4. 729
- 5: 1. Mobile 2. Computer
3. Gas heater 4. Television
- 6: 1. Pital 2. Sword
3. Gun 4. Rifle
- 7: 1. Konark 2. Khajuraho
3. Ellora 4. Dilwara
- 8: 1. Sky – stars
2. Stadium – players
3. Hospital – patient
4. Moon – bird

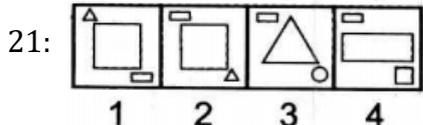
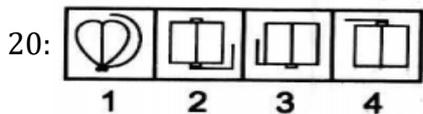
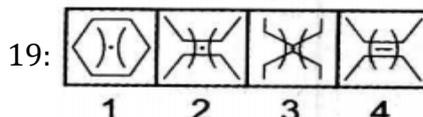


Direction: Question 13 to 22 there are four terms/figures in each question. The terms right to the symbol :: have same relationship as the two terms of the left symbol :: Out of the four terms/figure one is missing, which is shown by

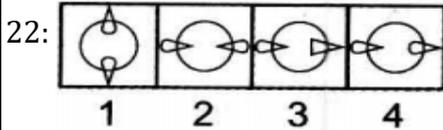
(?). Four alternatives are given for each question. Find out the correct alternative and write its number against the corresponding questions on your answer sheet -

- 13: 326 : 3649 :: 534 : ?
1. 5932
2. 25916
3. 16925
4. 55874
- 14: Lungs : oxygen :: Heart : ?
1. Pump
2. Blood
3. Heart beat
4. Breathing
- 15: QNKG : KHEA :: YVSO : ?
1. SPMI
2. LIFE
3. CZWT
4. SVYC
- 16: BFG : 80 :: DHC : ?
1. 90
2. 94
3. 92
4. 96
- 17: Eye : tears :: Volcano : ?
1. Air
2. Flame
3. Ice
4. Water
- 18: Carpenter : wood :: Cobbler : ?
1. Shoe
2. Sandal
3. Animal
4. Leather

(Answer) Alternative figures



SPACE FOR ROUGH WORK



Direction: Question from 23 to 32 are based on number/figure series. In each series missing term is mentioned by question mark (?). Find out the missing term in given alternatives and write its alternative number against the correct question number on your answer sheet -

23: 22, 3, 19, 9, 16, 27, 13, 81, 10, ?, ?

1. 7, 243
2. 162, 13
3. 243, 7
4. 342, 4

24: a, u, d, q, ?, ?, j, i, m, e, p, a

1. h, l
2. g, l
3. h, m
4. g, m

25: 392, 365, 342, 323, 308, ?, 290, 287

1. 297
2. 293
3. 289
4. 301

26: UQN, LHE, CYV, __, KGD

1. QNK
2. WZD
3. TPM
4. KOS

27: 0, 2, 6, 10, 50, 56, ?

1. 392
2. 336
3. 112
4. 64

28: C, E, H, L, Q, ?, D, L

1. U
2. W
3. V
4. X

29: A2B, B3F, C4L, ?

1. D5I
2. D5T
3. D5U
4. D50

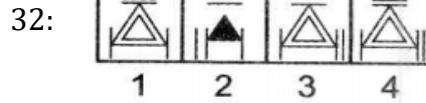
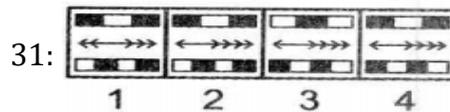
30: 6, 10, 22, 42, 86, 170, ?

1. 254
2. 212

3. 243

4. 342

(Answer figures)



Direction : In Questions 33 to 42 the questions have become wrong because of the wrong order of signs. Choose the correct order of signs from the four options given below so as to make the equations right. Write the alternative number of the correct option on the answer sheet against the corresponding questions number -

33: $25 + 5 = 2 \div 2 \times 12$

1. $\times + \div =$
2. $\div = \times +$
3. $+ = \div \times$
4. $\times \div = +$

34: $18 = 5 + 4 \div 2 \times 28$

1. $+ \times \div =$
2. $= + \times \div$
3. $+ = \div \times$
4. $\times = \div +$

35: $30 \times 2 \times 6 - 3 = 6$

1. $- \times \times =$
2. $\times = - \times$
3. $- = \times \times$
4. $- \times = \times$

36: $5 \times 5 + 29 = 17 - 37$

1. $= \times - +$
2. $\times + - =$
3. $+ \times = -$
4. $\times = + -$

37: $6 = 3 \div 12 + 28 \div 2$

1. $\div + \div =$
2. $+ \div = \div$
3. $\div + = \div$
4. $= \div \div +$

38: $18 \div 6 = 3 \times 9 + 36$

1. $+ \div \times =$
2. $+ \div = \times$
3. $+ \times \div =$
4. $\times \div = +$

SPACE FOR ROUGH WORK

39: $23 - 69 + 48 = 4 \div 8$

1. $+=\div-$
2. $\div+=-$
3. $+ - \div =$
4. $= + - \div$

40: $13 + 3 - 17 = 29 \times 27$

1. $- + \times =$
2. $\times + = -$
3. $+ = \times -$
4. $\times - = +$

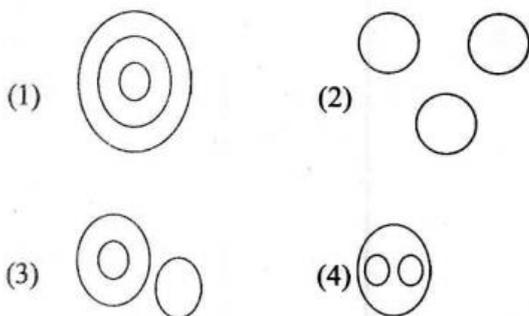
41: $24 + 17 \div 9 - 3 = 10$

1. $\div + = -$
2. $- \div + =$
3. $+ = \div -$
4. $- + \div =$

42: $14 \times 3 = 7 + 63 - 14$

1. $+ = - \times$
2. $\times + = -$
3. $- \times = +$
4. $\times - + =$

Direction: In Question 43 to 52 each of the following questions has a group of the three words which are related to each other in some way. This relationship can be represented by one of the four figure alternatives given in the beginning. Find out the correct figure alternative and write its alternative number against the corresponding question on your answer sheet -



43: Atmosphere, air, Oxygen

1. 2
2. 4
3. 1
4. 3

44: earth, forest, sky

1. 4
2. 3
3. 2

4. 1

45: Universe, star, sun

1. 4
2. 3
3. 2
4. 1

46: Lawyer, criminal, thief

1. 1
2. 3
3. 4
4. 2

47: Gas, liquid, metal

1. 3
2. 4
3. 1
4. 2

48: Animals, tiger, cow

1. 2
2. 3
3. 4
4. 1

49: Birds, parrot, bat

1. 4
2. 3
3. 2
4. 1

50: Mineral, silver, wood

1. 2
2. 4
3. 1
4. 3

51: Atom, electron, proton

1. 2
2. 4
3. 1
4. 3

52: Carnivorous, tiger, wolf

1. 3
2. 1
3. 4
4. 2

Direction: Question 53 to 57 are based on definite series. In given question some symbols are missing shown by (-). The missing symbols are given in proper sequence as one of the four alternatives given under each question. Find out the correct

SPACE FOR ROUGH WORK

alternative and write number on the answer sheet against the question number -

53: c - ba - cb - cc - ac - ba

1. cabac
2. ccabc
3. acabc
4. bcaac

54: fr - me - ra - ef - am -

1. afrme
2. amfem
3. amerf
4. afmre

55: ma - ma - mam - alm - mm - l

1. lmala
2. malama
3. mlmaa
4. lamam

56: - nb - cn - cc - bc - nbc

1. ccbnc
2. bcncb
3. cbncc
4. bcncb

57: j - l - aja - sa - als -

1. asjal
2. aslja
3. ajsaja
4. ajsla

Direction: Question 58 to 62 the letters in column I are coded in the form of numbers. Which are written in column II, but the order of numbers is different. Read carefully code of letters. Find out correct answer in given alternative and write its alternative number against the corresponding question number on your answer sheet -

Column I	Column II
PAN	372
NIB	643
BET	156
TIP	241

58: The code for the word BEAN is

1. 3576
2. 6543
3. 5763
4. 6573

59: The code for the word PAINT is

1. 24713
2. 27431
3. 13427
4. 42731

60: The code for the word NEAT is

1. 1752
2. 3751
3. 3571
4. 5317

61: The code for the word TAPE is

1. 1725
2. 1572
3. 7251
4. 5217

62: The code for the word TAB is

1. 761
2. 146
3. 567
4. 176

63: If in any language MARCH is written as KCPEF. What will be code of ORDER in the same code language?

1. MTBGP
2. MPBCP
3. LOABO
4. QPECT

64: If in any code language PEN is written as 66. What will be the code of LEG in the same code language?

1. 67
2. 65
3. 53
4. 24

65: If in any code language EIMR is written as CFIM. How will be written GKOR in that code language?

1. FIJN
2. EHKM
3. EILN
4. FHLN

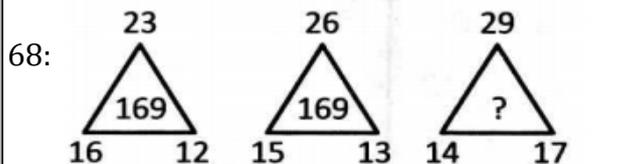
66: If in any code language FISH is written as IMXN. What will be the code of MALE in the same code language?

1. PDOH
2. QEPJ
3. ODPJ
4. PEQK

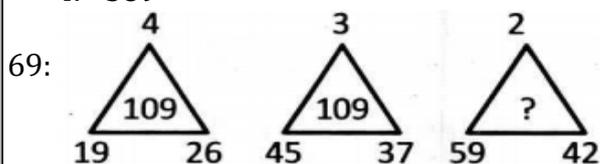
SPACE FOR ROUGH WORK

- 67: If in any code language PD is written as 8.
 What will be code of HB in the same code language?
1. 16
 2. 10
 3. 4
 4. 18

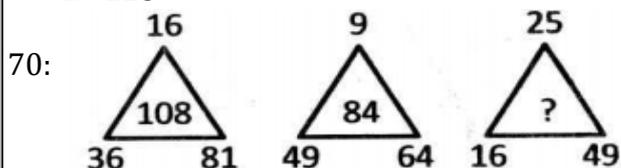
Direction: In Question 68 to 77 number are placed in figure on the basis of some rules. One place is vacant which is indicated as (?). Find out the correct alternative for the vacant place and write its number against the proper question number on your answer sheet -



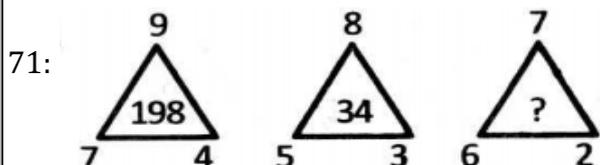
1. 169
2. 267
3. 209
4. 389



1. 103
2. 105
3. 109
4. 225

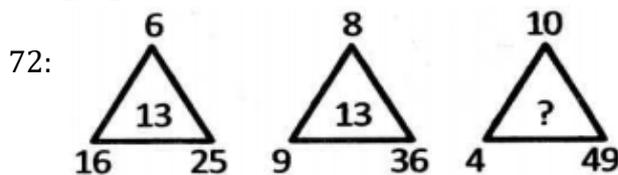


1. 60
2. 70
3. 90
4. 58

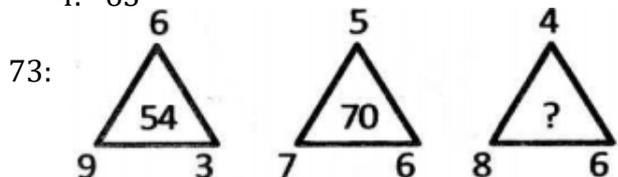


1. 89

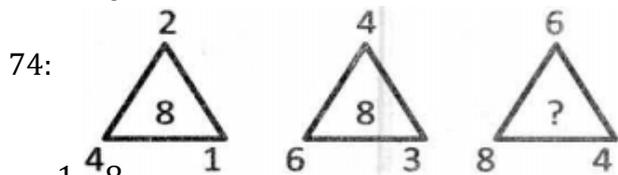
2. 84
3. 135
4. 159



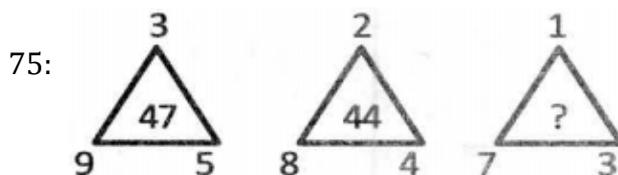
1. 12
2. 13
3. 35
4. 63



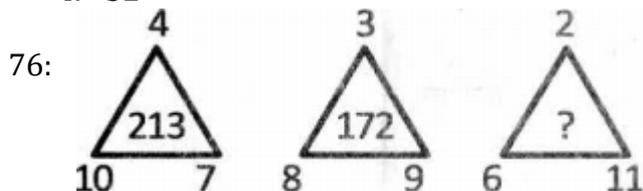
1. 44
2. 32
3. 72
4. 64



1. 8
2. 10
3. 12
4. 14

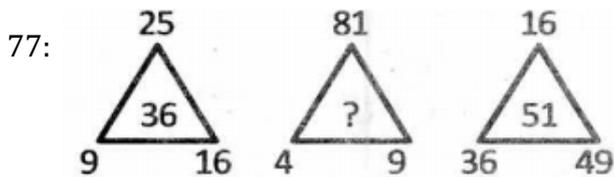


1. 44
2. 39
3. 20
4. 32



1. 165
2. 131
3. 173
4. 132

SPACE FOR ROUGH WORK



1. 29
2. 42
3. 27
4. 86

78: If the first day of any month is Monday. What date will be on the fourth Saturday of that month?

1. 26
2. 27
3. 28
4. 29

79: If a child born on 3rd August 2020 on Monday. After 5 months and five days what date and day will be?

1. 9 January, Saturday
2. 10 January, Sunday
3. 7 January, Thursday
4. 8 January, Wednesday

80: A frog leaps each time for two feet and roll down for half feet. According to this procedure how many time will it attempt to reach for nine feet.

1. 9
2. 8
3. 7
4. 6

Direction: In Question 81 to 85 are based on the information given below. Read the information carefully and find out the correct answer from the four alternative and write its alternative number on your answer sheet against the proper question number -

There is a family consist of six members A, B C, D, E and F. C is the sister of F. B is brother of E's husband. F is grandson of D.

81: How many male members are there is the family

1. 3
2. 2
3. 4
4. 1

82: How is B related to F?

1. Father
2. Brother
3. Uncle
4. Aunt

83: Who is the husband of 'E'?

1. D
2. B
3. F
4. A

84: Which is the group of male members

1. a, b, c
2. d, b, a
3. d, e, f
4. a, e, c

85: How is E related to C?

1. Mother
2. Aunt
3. Uncle
4. Father

Direction: Read the following statement carefully and choose the correct answer for the question number 86 to 90. Write the correct alternative number on your answer sheet.

Find sisters Meena, Reena, Teena, Beena and Neena are there in a family. Meena was born on 1989. Teena is seven years older than Neena, while eight while seven years younger than Reena.

86: What is the age difference Meena and Beena?

1. 3
2. 5
3. 7
4. 10

87: Who is the youngest among them?

1. Beena
2. Neena
3. Reena
4. Teena

88: Who is the middle order among them?

1. Teena
2. Reena
3. Beena
4. Neena

89: What is the age difference between Beena and Teena?

1. 2
2. 3

SPACE FOR ROUGH WORK

3. 5

4. 7

90: Who was born in leap year?

1. Teena – Reena
2. Beena – Meena
3. Neena – Teena
4. Reena – Neena

91: A student walks towards north direction, he turns to his right and turns right again, after that he turns to his left. Now in which direction is he going?

1. East
2. West
3. North
4. South

92: A student walks for 10 meter towards east from any point, turning to her left she walks for 5 meter, she turns to her left again and walks for 10 meter. Now how far and in which direction is she from the beginning point?

1. 25 meter North
2. 5 meter West
3. 5 meter, North
4. 15 meter, West

93: If in any code language, sun is called moon, moon is called as stars, stars is called cloud, cloud is called water and water is called sun, then by whom will it rain _____

1. Cloud
2. Stars
3. Sun
4. Water

94: Two persons are standing facing each other. If one's face is towards north, then in which direction will be left hand of the second person?

1. West
2. South
3. East
4. North

95: Ram walks for 4 km towards South, turning to his left he walks for 2 km, he turns to his left again and walks for 3 km, then he turns to his right. In which direction is his face now?

1. East
2. West
3. North

4. South

Direction: Question from 96 to 100 are based on the alphabet series which is given below. Read the alphabet series carefully and find out the correct answer for each question and write its alternative number on your answer sheet against the proper question number.

n o i j o n p t a k t l n o p u j e t n a p u b

96: Which letter is been repeated the most in this series?

1. o
2. n
3. p
4. t

97: In this series, how many times the vowel occurs just before and just after consonant?

1. One times
2. Two times
3. Three times
4. Four times

98: In this series, how many times the vowel occurs just before the consonant but not just after consonant?

1. One times
2. Two times
3. Three times
4. Four times

99: In this series, how many times the vowel occurs just after the consonant but not just before consonant?

1. One times
2. Two times
3. Three times
4. Four times

100: How many consonant letters are used in the series?

1. 6
2. 7
3. 8
4. 9

SPACE FOR ROUGH WORK