GLOBAL TALENT SEARCH EXAMINATION

MATHEMATICS

Class : III

Max Marks : 80

Time : 9:00 to 10:30 a.m.

Instructions to Candidates :

01. This question paper has 40 objective questions. In addition to this question paper, you are also given an answer-sheet.

02. Read the instructions carefully for each section before attempting it.

03. For each correct answer **2 marks** will be awarded and there is no negative marking.

04. On the answer-sheet, fill up all the entries carefully in the space provided, **ONLY IN BLOCK CAPITAL LETTERS**.

05. Incomplete / incorrect / carelessly filled information may disqualify your candidature.

06. On the answer-sheet, use **PENCIL / BLUE or BLACK BALL PEN.**

07. No extra sheet will be provided for rough-work. Use the space available in the paper for your rough- work.

08. Use of calculator is not permitted.

09. No student is permitted to leave the examination hall before time is complete.

10. Use of unfair means shall invite cancellation of the test.

Roll No.

Centre No.

Male / Female _____

Name of the candidate : (In English only, as you would like it to be printed on the certificate).

_____

_____

_____

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Signature of the invigilator

Signature of the candidate

AMITY INSTITUTE FOR COMPETITIVE EXAMINATIONS

Each question has four alternatives marked (A), (B), (C) and (D), but only one of these alternatives is the correct answer.

1. A can of capacity 5000 mL (milli-litre) is completely filled with milk. How much milk will be still left in this can after filling the other smaller empty cans as shown below with their capacities ?

   5000 mL   2500 mL   1200 mL   600 mL

   (A) 500 mL   (B) 700 mL

   (C) 600 mL   (D) 800 mL

2. In the following grid, the sum of the numbers in the squares is 30 along each row, along each column and along each diagonal. Find all the missing numbers and then write the values of x and y ?

   (A) $x = 12$, $y = 11$

   (B) $x = 6$, $y = 11$

   (C) $x = 6$, $y = 12$

   (D) $x = 10$, $y = 11$

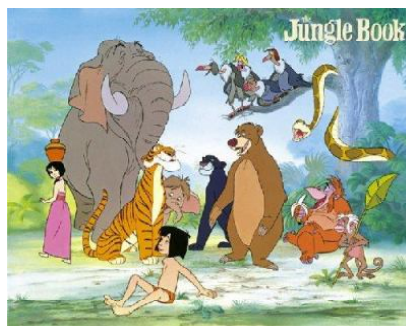 | 7 | | y |
   |---|---|---|
   | | | x |
   | 9 | 8 | |

3. A student gave a 100-rupee note to the shop-keeper to purchase a pictorial book. The shop-keeper gave the student the book and 27 rupees. Find the cost of the pictorial book.

   (A) Rs. 73

   (B) Rs. 77

   (C) Rs. 83

   (D) Rs. 87

Complete the Calendar for the month of October, 2008 and answer the following 2 questions.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						4
				Dushehra		
	13					
		Deepawali				

4. One of the three National Holidays falls in the month of October. This year it fell on

   (A) Tuesday   (B) Wednesday

   (C) Thursday   (D) Friday

5. Dushehra (*Vijayadashmi*) and Deepawali were celebrated, respectively, on

   (A) October 8 and October 28

   (B) October 9 and October 28

   (C) October 9 and October 29

   (D) October 8 and October 29

6. Square of a number is the product of the number with the same number. How many numbers have their squares between 50 and 150 ?

   (A) 6   (B) 5

   (C) 4   (D) 3

7. While writing all the numbers from 1 to 100, how many times is the digit 1 used ?

(A) 21　　　　　　　(B) 20

(C) 19　　　　　　　(D) 18

8. The cost of 13 fancy pens is equal to the cost of 7 watches. If the cost of 1 watch is Rs. 975 then find the cost of 1 fancy pen.

(A) Rs. 635　　　　　(B) Rs. 525

(C) Rs. 625　　　　　(D) Rs. 535

9. The sum of eleven, eleven hundred and eleven thousand can be written as

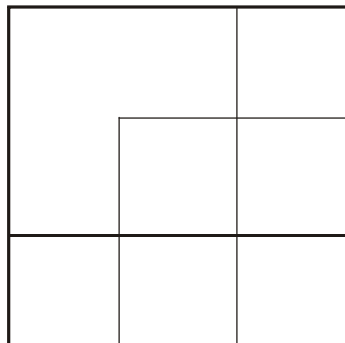(A) 12121　　　　　(B) 12111

(C) 11211　　　　　(D) 12211

10. The cost of 1 dozen oranges is Rs. 72. How many oranges can be purchased for Rs. 42 ? (1 dozen = 12)

(A) 6　　　　　　　(B) 7

(C) 8　　　　　　　(D) 9

11. In the adjoining diagram, find the number of squares

(A) 9

(B) 8

(C) 7

(D) 6

12. Sunita had Rs. 1740 with her. She spent one third of this money for purchasing a saree for her. She spent one-fourth of the remaining money for a sweater for her son. What money was still left with her ?

(A) Rs. 725   (B) Rs. 870

(C) Rs. 850   (D) Rs. 780

13. A train has 12 bogies and in each bogey 72 passengers can be seated. How many passengers can be seated in this train ?

(A) 784   (B) 964

(C) 884   (D) 864

If values from 1 to 26 are allotted as position values to alphabets such that A = 1, B = 2, ... J =10,........ T = 20, ... Z = 26, then answer the following five questions.

14. What is the value of (N × K – R × F) ?

(A) 46   (B) 44

(C) 36   (D) 34

15. The value of (X – G + Q – N) is

(A) 22   (B) 21

(C) 20   (D) 19

16. Which one of the following has maximum value ?

(A) H + R   (B) V + G

(C) D + S   (D) Y + B

17. Which alphabet will decrease the value of $[(8 \times 16) - (4 \times 19)]$ to 36 ?
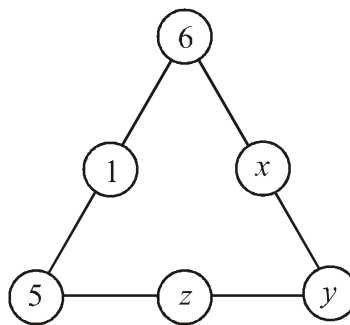
(A) P   (B) Y

(C) Q   (D) Z

18. Which alphabet will increase the value of $(17 - 8 + 19 + 26)$ to 60 ?

(A) E   (B) F

(C) G   (D) H

19. Replace x, y and z by different three numbers 2, 3 or 4 such that the sum of all the numbers along each line is 12.

(A) $x = 4$, $y = 2$, $z = 3$

(B) $x = 3$, $y = 4$, $z = 2$

(C) $x = 2$, $y = 4$, $z = 3$

(D) $x = 2$, $y = 3$, $z = 4$

20. Dinesh is a bright student and gets a scholarship of Rs. 450 per month. Every month, he purchases books for Rs. 175 and spends Rs. 180 as his pocket money. He deposits the remaining amount with his grandmother. How much does he save in two months with his grandmother ?

(A) Rs. 190   (B) Rs. 180

(C) Rs. 170   (D) Rs. 95

21. Shakuntala along with her brother Shailendra and parents went to Chandigarh during vacations. Her grand parents live at Chandigarh. All went in their own car and her father drove the car. She noted the times of departure from Delhi and arrival at Chandigarh, shown in the watch as under :

Departure from Delhi   *Arrival at Chandigarh*

Time taken to travel from Delhi to Chandigarh was

(A) 260 minutes   (B) 250 minutes

(C) 240 minutes   (D) 220 minutes

Solve the following questions 22 - 26 and find the correct answer which is given as one of the four alternatives below each question.

22. 457 – 486 + 329 = ...

(A) 290   (B) 302

(C) 292   (D) 300

23. 1050 – 457 – 329 = ...

(A) 264   (B) 254

(C) 244   (D) 274

24. 752 − 392 = 125 + ...

(A) 225   (B) 215

(C) 235   (D) 230

25. 235 × 7 − 1500 = ...

(A) 245   (B) 145

(C) 155   (D) 135

26. 9 × 82 = 800 − ....

(A) 68   (B) 52

(C) 62   (D) 58

27. After spending Rs. 375, Rajat was left with Rs. 380 in his one pocket. If he had Rs. 650 also in his other pocket, what total money did he have before spending ?

(A) Rs. 1395   (B) Rs. 1415

(C) Rs. 1505   (D) Rs. 1405

28. Renu wrote first eight alphabets boldly on a paper and pasted them below a mirror on the wall. The shapes of the images of some alphabets do not match with the shapes of the alphabets. Find the numbers of such alphabets.

ⱯBCDEℲGHIJKⱢ

ABCDEFGHIJKL

(A) Four   (B) five

(C) Six   (D) Seven

In the following 4 questions, numbers in each series follow a particular relation or pattern.

Find the number from the four alternatives given below each series such that when it replaces the sign ..?.., the same relation or pattern of the numbers is maintained.

29. 135, 120, 106, 93, 81, ..?..

    (A) 71   (B) 72

    (C) 69   (D) 70

30. 1, 4, 9, 16, 25, ..?.., 49

    (A) 40   (B) 39

    (C) 36   (D) 32

31. 7, 21, 35, 49, 63, ..?..

    (A) 84   (B) 77

    (C) 75   (D) 70

32. 1, 4, 10, 19, 31, ..?..

    (A) 48   (B) 46

    (C) 45   (D) 43

33. If stands for 10, then

 stands for

(A) 9 (B) 10

(C) 11 (D) 12

34. When 17 is added seventeen times, the result obtained is

(A) 269 (B) 289

(C) 309 (D) 299

35. You are given only the following 6 numbers and no number is to be repeated for addition in the problem :

1, 4, 7, 10, 18, 24

How many numbers can be added to get a sum of 60 ?

(A) 3 (B) 4

(C) 5 (D) 6

36. You are given only the following 6 numbers and no number is to be repeated for addition in the problem :

1, 3, 7, 18, 22, 35

How many numbers can be added to get a sum of 50 ?

(A) 5 (B) 4

(C) 3 (D) 2

37. Find the sum of all the numbers from 1 to 12.

$$(1 + 2 + 3 + 4 + \cdots\cdots + 12 = \text{?})$$
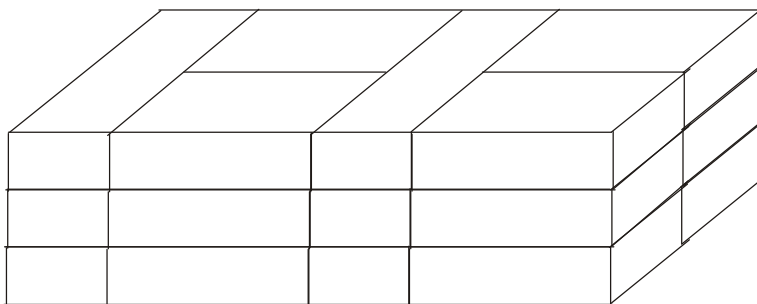
(A) 66   (B) 76

(C) 77   (D) 78

38. ★   ★★   ★★★★

★ + ★★ + ? + ★★★★

★   ★★   ★★★★

Sachin added all the stars shown above, including stars given by the sign ?. The sum of all the stars is

(A) 30   (B) 27

(C) 24   (D) 21

39. There are equal number of bricks in each layer as shown below :

Find the total number of bricks in the group.

(A) 16   (B) 18

(C) 20   (D) 24

40. The father gave money to her daughter Anuradha and son Anurag for visiting Trade Fair. Anuradha being elder got more money than Anurag. Anuradha got Rs. 2400. But Anuradha gave one-sixth of her money to her brother Anurag. Now, if both have same money, how much money did Anurag got from his father ?

(A) Rs. 1500

(B) Rs. 1400

(C) Rs. 1600

(D) Rs. 1800

Answers Class III Maths

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