11 The Competition in
Advanced Mathematics Skills

Advanced Maths Test I & II

MODEL PAPERS

Class : III

Eduranet
Intellectual Olympiad Foundation
(Promoted by Eduranet Educational Society (Regd. 309/09))

Hyderabad | India

Eduranet Intellectual Olympiad Foundation

SYLLABUS

1. **Fun with Numbers**

2. **Give and Take**

3. **Multiplication & Division**

4. **Time**

5. **Money**

6. **Measurement**

7. **Shapes & Patterns**

8. **Fractions**

9. **Where to look from**

10. **Smart Charts**

11. **Geometry**

TABLE OF CONTENTS

ADVANCED MATHS TEST-I

Code : 1131   **PRELIMS**

Max. Marks : 75   **Duration : 75 Mins.**

General Instructions :

1. Please find the Answer Sheets (OMR) with in the envelop given to you.

2. Mention your Test Code, Student ID, Name, Class, Section and School Name on the OMR Sheet as per Question Paper and Hall Ticket.

3. This question paper contains 75 Questions, duration is 75 minutes.

4. Do rough work in the empty sheet provided along with this question paper.

5. Answer questions in OMR sheet only.

6. Don't write or tick anything on the question paper.

7. Use only Black or Blue Ball Point Pen or Dark Perncil to answer the question in OMR sheet.

8. Indicate the correct answer by darkening one of the 4 or 5 responses provided.

9. Submit only OMR sheet to the invigilator

1.   Which of the following numbers are in ascending order ?

a) 70,17,90,7,13,47

b) 17,70,7,90,47,13

c) 7,13,17,47,70,90

d) 90,70,17,47,13,7

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2. In the florist's shop, 1349 flowers are made of plastic, 367 flowers are real. How many flowers are there in all ?

   a) 1606

   b) 1716

   c) 1616

   d) 1726

3. Which of the following statement is correct?

   a) 321< 235

   b) 420 > 510

   c) 725 < 638

   d) 827 > 639

4. The number 1 more than 999 is

   a) 998

   b) 1

   c) 899

   d) 1000

5. Out of the 475 new books ordered in the school library 150 books are for the teachers. How many books are for the students?

   a) 300   b) 425

   c) 325   d) 150

6. **The distance between Jammu Kashmir and Delhi is two thousand four hundred fifty-nine miles. Ths number in expanded form is**

   a) 2495

   b) 2459

   c) 2000 + 400 + 59

   d) 200 + 400 + 95

7. **As a Prime Minister Mr. Manmohan Singh is a .... to Mr.A.P.J. Kalam.**

   a) Predecessor

   b) Successor

   c) Ascending

   d) Descending

8. **The chemist sold 24 bottles of medicine on Monday, 32 on Tuesday. How many more bottles were sold on Tuesday?**

   a) 56

   b) 10

   c) 8

   d) 12

9. **A car's tank had 14L of petrol. 12 L more was put in the tank. How much petrol was there in the tank?**

   a) 1L   b) 2L

   c) 3L   d) 4L

10. A truck carried 700 kg of wheat to Jaipur. It delivered 350 kg at the first shop. How much wheat is left in the truck.

a) 350 kg

b) 450 kg

c) 550 kg

d) 650 kg

11. The newspaper boy distributed 3 newspapers and 1 magazine in the first house, 2 newspapers and 2 magazines in the second house, 1 newspaper and 1 magazine in, the third house. How many magazine, did he distribute in all ?

a) 4

b) 6

c) 10

d) 1

12. _____ must be subtracted from 365 to get 300.

a) 56

b) 65

c) 55

d) 66

13. Last year 2648 children were admitted to nursery in all the schools in town. This year 4921 children were admitted in nursery. How many more children were admitted this year

a) 7569   b) 2373

c) 2273   d) 2108

14. The fruit seller sold 60 bananas. 45 apples and 80 oranges. How many apples and oranges did he sell altogether?

a) 140   b) 125

c) 35   d) 105

15. $(512 + 49) + 376 = 512 + (49 + \_\_\_)$

a) 736   b) 673

c) 376   d) 367

16. $256 + 193 - 363 = _____$?

a) 68   b) 86

c) 107   d) 426

17. Which of the following correct ?

a) $3000 > 4321 - 2856$

b) $3000 < 4321 - 2856$

c) $3000 = 4321 - 2856$

d) $3000 = 4321 + 2856$

18. ____ must be added to 19 to make it 50.

a) 13

b) 0

c) 19

d) 31

19. The gardener placed 4 flowers in each vase. There were 7 vases in all. How many flowers did he use?

a) 26   b) 28

c) 27   d) 4

20. During a week long holiday, every child had to do 7 sums of maths each day. How many sums did each child do at the end of the week?

a) 49   b) 46

c) 30   d) 70

21. At the interschool art completition, 6 schools participated and sent a team of 3 participants each. How many participants were there in all?

a) 20   b) 6

c) 18   d) 12

22. For the class party every chhild brought 2 packets of biscuits. There were 8 children in all. How many packets of biscuits were there in all?

a) 16

b) 4

c) 20

d) 8

23. The teacher is conducting a class quiz. She divides the class of 50 students into groups of 5 many groups does she make?

a) 2   b) 10

c) 20   d) 5

24. The jeweller used 200 gemstones to make 10 necklaces. How many gemstones did he use in each necklace?

a) 20

b) 10

c) 2

d) 100

25. Rupees one hundred can be written as

a) 100.00

b) 1000.00

c) 10.00

d) 1.00

26. 36 people had to go to the airport. There were 6 cars. How many people sat in each car?

a) 4   b) 6

c) 5   d) 7

27. Independence Day falls in the month of

   a) February

   b) October

   c) August

   d) January

28. Ram travelled 45 km to his village and then 30 km more to visit his grandparents. How much distance did he travel altogether?

   a) 45 km   b) 30 km

   c) 50 km   d) 75 km

29. Which month has 31 days ?

   a) April

   b) May

   c) February

   d) September

30. We eat dinner at quarter past nine in the evening. We eat dinner at

   a) 8 : 45 p.m   b) 9 : 15 p.m

   c) 8 :45 a.m   d) 9 : 15 p.m

31. 4 weeks = _____ days

    a) 16   b) 36

    c) 28   d) 20

32. We can repeat symbol I and X _____times.

    a) 2 times

    b) 3 times

    c) 1 time

    d) 5 times

33. What time is it

    a) half past ten

    b) half past 9

    c) quarter to 11

    d) quarter to 9

34. In 2007, there were 256 holidays. How many days did you have to go to school ?

    a) 109   b) 129

    c) 119   d) 115

35. 20 minutes to 6 is the same as

a) 6 :20   b) 6 :40

c) 5 : 40   d) 5 :20

36. Sum of the place values of 7s in the 775 is ____

a) 700   b) 770

c) 777   d) 707

37. Rupees one hundred three and four paise can be written as

a) 13.40

b) 103.04

c) 103.40

d) 130.04

38. Roman numeral____ is never repeated.

a) X   b) L

c) V   d) C

39. 87 rupees and 23 paise can be converted into ___ paise.

a) 8700 paise   b) 8732 paise

c) 8723 paise   d) 7832 paise

40. 15 minutes is _____seconds

a) 900 sec   b)1000 sec

c) 600 sec   d) 90 sec

41. Mita's mother gave her Rs.50 to buy her friend a gift. Mita spent Rs.37 on the gift. How much money did she have left ?

a) Rs.15　　　　　　　　　　b) Rs.13

c) Rs.12　　　　　　　　　　d) Rs. 14

42. On Kavi's birthday his grandparents gave him Rs.150. He put it in his money box. His aunt gave him Rs.50, his brother gave him Rs.40. How much money does he have altogether?

a) Rs.200

b) Rs.300

c) Rs.230

d) Rs.240

43. Shyam bought a book for Rs.25, a pencil for Rs.4. an eraser for Rs.2.50. How much money did he spend in all?

a) Rs.30.50

b) Rs.33.00

c) Rs.31.50

d) Rs.32.50

44. Sonal had a 20 piece puzzle. She lost 7 piecces. What fraction of the puzzle did she loose?

a) $\dfrac{2}{7}$　　　　　　　　　　b) $\dfrac{7}{20}$

c) $\dfrac{20}{7}$　　　　　　　　　　d) $\dfrac{13}{20}$

45. **Tina peeled an orange. 4 pieces of the orange were rotten. She ate the other 6. What fraction of the orange was bad?**

a) $\dfrac{6}{10}$ b) $\dfrac{10}{10}$

c) $\dfrac{4}{6}$ d) $\dfrac{4}{10}$

46. **Somya got 5 sweets in school. She gave one sweet to each of her friends. What fraction of sweets did each friend receive?**

a) $\dfrac{1}{5}$ b) $\dfrac{2}{5}$

c) $\dfrac{5}{5}$ d) $\dfrac{4}{5}$

47. **An angle equal to 90^0 is a_____**

a) Straight angle

b) actual angle

c) Right angle

d) obtuse angle

48. **There were 30 eggs inthe basket. 12 eggs broke when the basket fell. What fraction of the eggs are unbroken?**

a) $\dfrac{12}{30}$ b) $\dfrac{30}{30}$

c) $\dfrac{18}{30}$ d) $\dfrac{30}{12}$

49. If we want to convert 5 L of water into millilitres, it will be

     a) 500 ml   b) 5000 ml

     c) 50 ml   d) 250 ml

50. 4000 grams of wheat is equal to

     a) 40 kg   b) 45 kg

     c) 4 kg   d) 400 kg

51. 1.50 metre of cloth equal to

     a) 150 cm   b) 15 cm

     c) 1500 cm   d) 15.50 cm

52. 2 kmof distance trayelled is equal to

     a) 20 m   b) 200 m

     c) 2 m   d) 2000 m

53. **(Tea)**

     a) m   b) km

     c) ml   d) kg

54. **(wall height)**

     a) km   b) L   c) gms   d) m

55. The correct fraction according to shaded picture is___
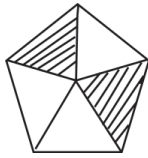
a) $\dfrac{1}{2}$ b) $\dfrac{2}{5}$

c) $\dfrac{3}{5}$ d) $\dfrac{3}{6}$

56. If we look at a rectangular dining table from the top, its shape would be

a) Square

b) Circle

c) Rectangle

d) Oval

57. Which of the following letters cannot be divided into its mirror half?
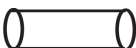
a) E   b) R

c) B   c) y

58. A book will represent which shape when seen from a side?

a)

b)

c)

d)

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59. A straight angle is equal to _____ degrees.

    a) 180^0 b) 90^0

    c) 90^0 d) 360^0

Direction:(62-63) - The pictograph below shows the subjects that the students of class III-B like in school. Each 😊 stands for 1 student.

Science	Maths	Hindi	English
😊	😊	😊	😊
😊	😊	😊	😊
😊	😊	😊	😊
😊	😊		😊
			😊

      Study the above given table and select the correct answer from the given options.

60. The favourite subject is

    a) Science   b) Hindi

    c) Maths   d) English

61. Number of students who like Maths is

    a) 3   b) 5

    c) 4   d) 2

62. Total number of students in the class is

    a) 10   b) 16

    c) 12   d) 20

63. No. of students who like Science and Maths is

a) 4   b) 6

c) 5   d) 8

Directions : (64-67) - The below given pictograph shows the sale of toys in Mr. Sharma's toy shop in January 2011.

Use this pictograph to answer the following questions. Choose the correct answer from those given.

64. The to which sold the maximum in January is

a) Tea Set

b) Doll

c) Aeroplane

d) Board game

65. The toys sold the least are

a) Tea set and car

b) Car and Aeroplane

c) Doll and car

d) board game and doll

66. Board game sold _____ more pieces than cars.

    a) 3

    b) 4

    c) 2

    d) 1

67. Total number of toys sold in January are

    a) 15

    b) 14

    c) 16

    d) 17

68. I have 2 edges, and a curved face, A glass look like me. What shape am I ?

a)   b)

c)   d)
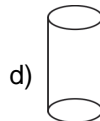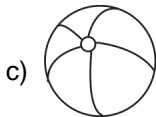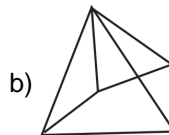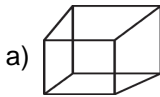
69. Choose the group of letters which only has curved lines.

    a) CALD

    b) COQCO

    c) LTUVS

    d) SZUVZ

70. In the figure given below, a part is missing choose the correct part from the options.

a)   b)

c)   d)
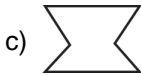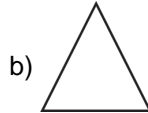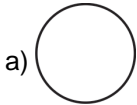
71. Look at the figure given. Count the number of shapes of other than triangles. How many are they ?


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

72. Which two shapes can be joined to make this figure?

a)   b)

c)   d)
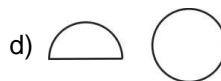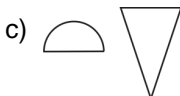
73. If you connect the points given below what shape would you get ?

A
●

B ●   ● D

●
C
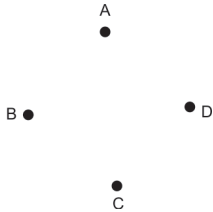
a) Rectangle   b) Diamond

c) Trianlge   d) Circle

74. Lines which never meets are called ____lines.

a) Intersecting   b) Parallel

c) Curved   d) Straight

75. The figure given below has how many straight lines ?
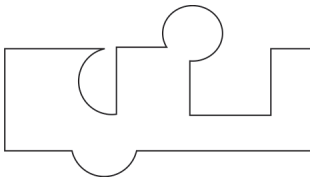
a) 10   b) 3

c) 11   d) 7

KEY TO MODEL PAPER - I

1. c	2. b	3. d	4. d	5. c	6. c
7. b	8. c	9. b	10. a	11. a	12. b
13. c	14. b	15. c	16. b	17. a	18. d
19. b	20. a	21. c	22. a	23. b	24. a
25. a	26. b	27. c	28. d	29. b	30. d
31. c	32. b	33. c	34. a	35. c	36. b
37. b	38. c	39. c	40. a	41. b	42. d
43. c	44. b	45. d	46. a	47. c	48. c
49. b	50. c	51. a	52. d	53. c	54. d
55. b	56. c	57. b	58. d	59. a	60. d
61. c	62. b	63. d	64. d	65. c	66. a
67. c	68. d	69. b	70. c	71. a	72. c
73. b	74. b	75. c			

ADVANCED MATHS TEST-II

Code : 1132   **FINALS**

Max. Marks : 40   **Duration : 60 Mins.**

General Instructions :

1. Please find the separate Answer Sheets along with the question paper.

2. Mention your Test Code, Student ID, Name, Class, Section, Contact no. and School Name on the Answer Sheet as per Question Paper and Hall Ticket.

3. This question paper contains IV sections, duration is 60 minutes.

4. Please read the instructions carefully before attempting the question.

5. Answer questions in Answer Sheet only.

6. Don't write or tick anything on the question paper.

7. Use only Black or Blue Ball Point Pen to answer the question in Answer Sheet.

8. Submit only answer sheet(s) to the invigilator.

SECTION - I

10 × 1 = 10

DIRECTIONS: (1 - 10) - Complete the following statements with an appropriate word/term to be written in the answer sheet.

1. $824 + 911 = 900 +$ _____

2. The number left at the end which cannot be divided anymore is called the _____.

3. When the minute hand is on 4, it means it has covered _____minutes.

4.   The numbers to the right of the point in Rs.65.25 is called _____.

5.   1 centimetre is divided into _____ parts called millimetres.

6.   A cube has _____ corners.

7.   A _____ can be extended on one side.

8.   1 Kg is _____ times of a gram.

9. $(4380 \div 15) \times 241 =$ _____.

10. $\dfrac{3}{4} + \dfrac{5}{2} - \dfrac{1}{2} =$ _____.

SECTION - II

10 × 1 = 10

DIRECTIONS : (11 - 20) - Read the following statements and write true or false with reasons or solutions; in the answer sheet.

11. We use division when making groups unequally.

12. In case there are no paise, we put two zeros after the decimal point.

13. To place a mirror next to an incomplete shape and get the complete shape is possible.

14. $XXXIV \boxed{>} XLVII$

15. An A - 4 size paper is a square.

16. $\dfrac{1}{5} + \dfrac{4}{5} + \dfrac{2}{5} = \dfrac{7}{5}$

17. When multiplying three digits with 1 digit we first multiply the digits in the hundred's place.

18. Fraction with different denominators are called unlike fraction

19. $3725 + 4327 + 5678 - 578 = 13152$

20. The following numbers are arranged in asending order

    $44323 < 44233 < 44333 < 44312 < 3234 < 43234$

SECTION - III

10 × 1 = 10

DIRECTIONS: (21 - 30) - Each question contains statements given in two columns which have to be matched. Match the statements (21,22,...30) in column I with statements (a,b,...p) in column II . Arrange the matched statements in order and write in the answer sheet.
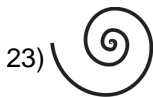
Column I	**Column II**
21) Octagon	a) cube
22) 12 edges	b)
23)	c) Curved Surface
24) is represent _____ fraction.	d) Cuboid
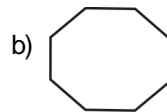
25) Difference of largest - 5 - digit

26) _____ × 7 + 13 = 83

27)
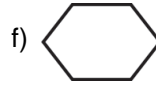
28) In the word ADDITION which

   fraction represents the alphabet "D"

29) 3730 + 2679 + 4938 = _____

30) $(5362 \div 2) \times 348$

e) 999

   number and 1 is

f)

$\left(\dfrac{1}{5} - \dfrac{1}{5}\right) + \dfrac{1}{5} = $ ____

g) $\dfrac{4}{12}$

h) $\dfrac{12}{4}$

i) 100

j) 99998

k) open figure

l) 10

m) $\dfrac{1}{5}$

n) $\dfrac{1}{4}$

o) 11347

p) 932988

Section - IV

10 × 1 = 10

DIRECTIONS: (31 - 40) Short Answers type Questions:

31. The labourer could lift 10 kgs of weight. He was carring bricks of weight 7kgs 627 gms. How much more weight can he carry?

32. Look at the picture and answer the question based on it:
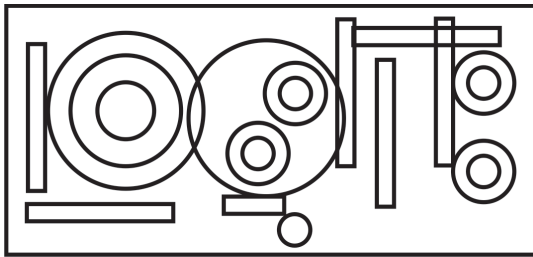
How many circles are there in the above figure?

33. Read the below given statement carefully.

702075 = 70,0000 + 70 + 5 + n

Then the value of n.

34. In the library, there are 1378 fiction books, 1030 non - fiction books, 2017 classic literature books, 736 joke and puzzle books. How many less non - fiction books are than fiction books?

35. Rahul went to market with Rs. 40. He spent Rs. 6.50 on bus fare, purchased a book for Rs. 11, a pen for

Rs. 14.50. He spent Rs. 8 for popcorn. How much money was left with him ?

36. Asha and Usha shared a pizza. Asha ate $\dfrac{1}{8}$ of the pizza and Usha ate $\dfrac{1}{2}$ of the pizza. How much pizza was left?

37. Swaraj wants to buy 3 bags of potato chips. Each bag of potato chips costs Rs. 50. If she uses a coupon for 'Rs. 20 off, how much will Swaraj owe for the 3 bags of potato chips?

38. If $\triangle = 4, \square = 5, \bigcirc = 7$ then sum of the following:

$$
\begin{array}{r}
\triangle\ \square\ \square \\
\bigcirc\ \triangle\ \square \\
+\ \triangle\ \bigcirc\ \bigcirc \\
\hline
 \\
\hline
\end{array}
$$

39. Solve : $(43270 + 67356) - (57327 - 37256)$

40. In the following figure how many triangles and rectangles are there ?
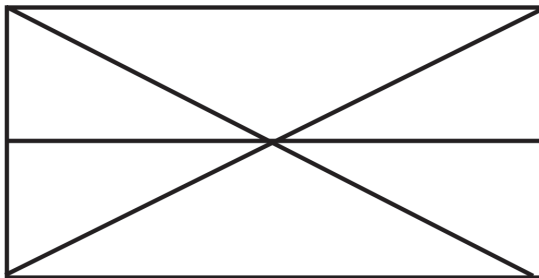
SOLUTIONS TO MODEL PAPER - II

SECTION - I

Fill in the Blanks

1) 835   2) remainder   3) 20   4) paise

5) 10   6) 8   7) ray   8) 1000

9) 70372   10) $\dfrac{11}{4}$

SECTION - II

True / False

11) False   12) True   13) True   14) False

15) False   16) True   17) False   18) True

19) True   20) False

SECTION - III

Match the Following

21) → b;   22) → d;   23) → k;   24) → g;

25) → j   26) → l;   27) → m ;   28) → n;

29) → o;   30) → p

SECTION - IV

Short Answer Questions

31) 2kg 373 gram

32) 13

33) 2000

34) 348

35) 0

36) $\dfrac{3}{8}$

37) 130

38)
```
   4 5 5
   7 4 5
   4 7 7
 _____
 1 6 7 7
```

39) 90555

40) Rectangle, 10 triangles