

# Brihan Mumbai Ganit Adhyapak Mandal, Mumbai

Date : 26-7-2014

**MATHS CONCEPT EXAMINATION**  
(2014)

Time : 3 to 5 p.m.

STD. : V<sup>th</sup>

MAX. MARKS : 100

**Instructions :** 1) Question paper and answersheet are separate.

2) Rough work is to be done in the space provided in each page of the question paper.

3) Do not fold the answersheet.

4) Colour the correct alternative with the ballpen as follows.

Ex. 1) What is the sum of all angles of a quadrilateral ?

A)  $180^\circ$  B)  $360^\circ$  C)  $120^\circ$  D) none of these

On Answer Sheet - A)  B)  C)  D)

(Correct answer is B)  $\therefore$  B) is coloured as shown above)

1) Write in numerals : Nine lakh thirty one.

A) 9000031 B) 90031 C) 900031 D) 9000130

2) In which group of the following, the sum is 10000 ?

A)  $9141 + 859$  B)  $9131 + 859$  C)  $9141 + 759$  D)  $9141 + 959$

3) Which of the following is a pair of factors of 189 ?

A) 27, 7 B) 21, 7 C) 37, 7 D) 27, 9

4) The cost of one kite is Rs. 7.25. Find the cost of 4 such kites.

A) Rs. 28 B) Rs. 29 C) Rs. 28.25 D) Rs. 29.75

5)  $\frac{97}{9} - \frac{5}{9} = ?$

A)  $\frac{47}{9}$  B)  $\frac{92}{9}$  C)  $\frac{102}{9}$  D)  $\frac{92}{0}$

-----  
Rough work

[ P. T. O. ]

5 Maths. (2)

- 6) Which number will be in the last position if the numbers 4444, 404, 444 and 4044 are arranged in ascending order ?  
A) 404    B) 4444    C) 444    D) 4044
- 7) Convert 7 hours 35 minutes into minutes.  
A) 420 min.    B) 735 min.    C) 455 min.    D) 435 min.
- 8) Which is the smallest four digit number formed by digits 8, 0 and 3.  
A) 3080    B) 3008    C) 3308    D) 0308
- 9) The number 270508 can be written in expanded form as -  
A)  $200000 + 70000 + 50 + 0 + 8$     B)  $200000 + 7000 + 500 + 0 + 8$   
C)  $20000 + 70000 + 500 + 0 + 8$     D)  $200000 + 70000 + 500 + 0 + 8$
- 10) Write the fraction  $\frac{121}{7}$  in mixed fraction form.  
A)  $17\frac{2}{7}$     B)  $7\frac{2}{7}$     C)  $7\frac{2}{17}$     D)  $17\frac{7}{2}$
- 11) The length of a rectangular ground is 83 m. and its breadth is 37 m. How much distance is covered in one round to the ground ?  
A) 120 m.    B) 480 m.    C) 240 m.    D) 184 m.
- 12) Sum of two numbers is 27680. If one of them is 9725, Find the other number.  
A) 17965    B) 37405    C) 19755    D) 17955
- 13) How many edges does a cuboid have ?  
A) Eight    B) Six    C) Twelve    D) Sixteen

---

Rough work

- 14) Which of the following numbers is not divisible by 17 ?  
A) 187    B) 178    C) 102    D) 153
- 15) Which of the following is the greatest unit for measuring weight ?  
A) Hectogram    B) Decigram    C) Decagram    D) Gram
- 16) Which is the tenth month of Indian Solar Year ?  
A) October    B) September    C) Paush    D) Magh
- 17) Which of the following numbers is in the multiplication tables of both 12 and 16 ?  
A) 96    B) 112    C) 108    D) 128
- 18) What is the place value of the digit 5 in the number 456983 ?  
A) 5000    B) 500    C) 500000    D) 50000
- 19) The perimeter of a square is 64 cm. Find the length of its side.  
A) 8 cm    B) 16 cm    C) 4 cm    D) 32 cm
- 20) If one hectometer is divided in ten equal parts, What will be each part called ?  
A) Meter    B) Decameter    C) Centimeter    D) Kilometer
- 21) How many days did the year 2000 have ?  
A) 366    B) 365    C) 360    D) 364
- 22) The following table gives the rates of some articles. Find which group of three articles can be purchased for Rs. 100 exactly.

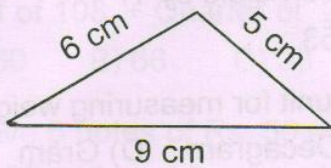
Compass Box	Pen	Colour Box	Ruler	Pencil Box
Rs. 70.50	Rs. 11.25	Rs. 35.40	Rs. 16.50	Rs. 18.25

- A) Pen, Colour Box, Compass Box    B) Compass Box, Pencil Box, Pen  
C) Colour Box, Ruler, Pencil Box    D) Ruler, Compass Box, Pen

-----  
Rough work

[ P. T. O. ]

23) What is the perimeter of the given figure ?

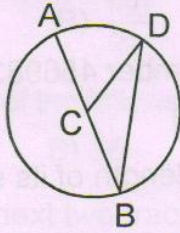


- A) 20      B) 270 cm  
C) 20 cm      D) 30 cm

24) Which is the greatest 5 digit even number ?

- A) 10000      B) 99999      C) 99998      D) 99990

25) If C is the centre of the circle in the adjoining figure, name the greatest chord of the circle.



- A) Segment CD      B) Segment BD  
C) Segment AB      D) Segment AC

26) Write in words : 8000090

- A) Eighty thousand ninety      B) Eight lakh ninety  
C) Eighty lakh ninety      D) Eight lakh nine zero

27) Which of the following letter is symmetrical ?

- A) **H**      B) **J**      C) **Q**      D) **F**

28) Which of the following groups has all the divisors of 91 ?

- A) 7, 13      B) 1, 7, 13      C) 1, 7, 13, 91      D) 1, 91

Rough work

- 29) How many days make four weeks ?  
A) 28    B) 32    C) 24    D) None of these
- 30) 1st January 2015 will be on Thursday. How many Saturdays will be there in that month ?  
A) 4    B) 5    C) 3    D) 6
- 31) Which of the following is the standard unit for capacity ?  
A) Gram    B) Litre    C) Meter    D) None of these
- 32) How many fractions in the following list are with common denominator ?  
 $\frac{5}{8}$  ,  $\frac{8}{13}$  ,  $\frac{3}{8}$  ,  $\frac{8}{7}$  ,  $\frac{1}{8}$  ,  $\frac{7}{8}$   
A) Two    B) Four    C) Six    D) Five
- 33) 5 bouquets cost Rs. 375/- Find the cost of one bouquet of flowers.  
A) Rs. 75    B) Rs. 1875    C) Rs. 380    D) Rs. 71
- 34) How will you write 'half past five in the evening' in twenty four hour clock ?  
A) 18:30    B) 17:50    C) 17:30    D) 5:30
- 35) When the number 9000 is divided by a number, the quotient is 30 and the remainder is zero. What is the number ?  
A) 30    B) 300    C) 3    D) 3000
- 36) What is the usual shape of every page of a book ?  
A) Circular    B) Triangular    C) Rectangular    D) Elliptical

---

Rough work

[ P. T. O. ]

37) Half of 108 + Quarter of 24 = ?

- A) 60    B) 66    C) 33    D) None of these

38) I have 5 notes of Rs. 50 each, 3 notes of Rs. 100 each, 6 notes of Rs. 20 each and 6 notes of Rs. 5 each. How much amount do I have ?

- A) Rs. 730    B) Rs. 700    C) Rs. 750    D) Rs. 850

39)  $\frac{4}{21} + \frac{5}{21} + \frac{8}{21} = ?$

- A)  $\frac{16}{21}$     B)  $\frac{160}{21}$     C)  $\frac{17}{63}$     D)  $\frac{17}{21}$

40) Which of the following numbers is divisible by 3, but not divisible by 5 ?

- A) 35    B) 36    C) 40    D) 45

41) Write next two fractions in the series.

$\frac{12}{7}, \frac{10}{7}, \frac{8}{7}, \frac{6}{7}, \dots, \dots$

- A)  $\frac{4}{7}, \frac{1}{7}$     B)  $\frac{4}{7}, \frac{2}{7}$     C)  $\frac{3}{7}, \frac{2}{7}$     D)  $\frac{3}{7}, \frac{1}{7}$

42) How many zeros will be there in the product  $125 \times 320$  ?

- A) Four    B) Five    C) Three    D) Six

43) Which is the most proper unit to measure the height of a building ?

- A) Centimeter    B) Kilometer    C) Meter    D) Milimeter

-----  
Rough work

44) Which group of the following has fractions in descending order ?

A)  $\frac{9}{4}$ ,  $\frac{7}{4}$ ,  $\frac{5}{4}$       B)  $\frac{5}{4}$ ,  $\frac{7}{4}$ ,  $\frac{9}{4}$

C)  $\frac{4}{9}$ ,  $\frac{4}{7}$ ,  $\frac{4}{5}$       D) None of these

45) How many tens are there in 54728 ?

A) 547    B) 5472    C) 54    D) 54728

46) If seven and a quarter rupees are added to eighteen and a half rupees, what is the total amount ?

A) Rs. 25.50    B) Rs. 25.25    C) Rs. 27.75    D) Rs. 25.75

47) Which of the following mathematical statements is correct ?

A)  $11 \times 20 < 11 \times 18$       B)  $11 \times 20 > 11 \times 18$

C)  $11 \times 20 = 11 \times 18$       D)  $\frac{11}{20} > \frac{11}{18}$

48) Out of 100 kg. wheat,  $42\frac{1}{2}$  kg. wheat was sold. How much wheat remains in the bag ?

A)  $7\frac{1}{2}$  kg.    B)  $57\frac{1}{2}$  kg.    C)  $58\frac{1}{2}$  kg.    D)  $48\frac{1}{2}$  kg.

49) In the division  $8165 \div 8$ , the quotient and the remainder are .....

A) Q = 12, R = 5      B) Q = 102, R = 5

C) Q = 5, R = 102      D) Q = 125, R = 0

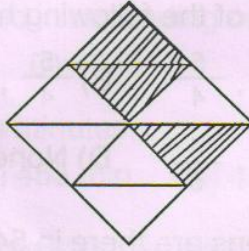
---

Rough work

[ P. T. O. ]

50) Write in fraction the total shaded part of the figure.

- A)  $\frac{3}{8}$       B)  $\frac{3}{5}$   
C)  $\frac{3}{7}$       D)  $\frac{3}{6}$



Rough work