Brihan Mumbai Ganit Adhyapak Mandal, Mumbai

Date : 27–7–2013   **MATHS CONCEPT EXAMINATION**   Time : 3 to 5 p.m.

(2013)

STD. : V^{th} MAX. MARKS : 100

Instructions :– 1) Question paper and answer sheet are separate.
                   2) Write the number of correct alternative out of four, alternatives given.
                   3) Write the answers with ink or ball pen.
                   4) Rough work may be done on the back side of the answer
                      paper, with pencil.
                   5) Each question carries two marks.
                   6) No marks will be given if the answer is scratched.

1) Write the number from the given extended form.
$8 \times 1000 + 5 \times 100 + 7 \times 10,000 + 5 \times 10$
   1) 87,550   2) 87,505   3) 78,550   4) 78,505

2) How many hundreds are there in a number 63412 ?
   1) 04   2) 34   3) 634   4) 12

3) What is the half of seven and half ?
   1) two and half   2) three and three quarter
   3) three and half   4) two

4) Six thousand thirteen + four thousand one + three hundred twenty
two = ?
   1) 10,336   2) 10,363   3) 11,366   4) 11,603

5) Six metre long ribbon was cut at 11 places to have equal length
of pieces. What is the length of each piece ?
   1) 45 cm.   2) 50 cm.   3) 65 cm.   4) 60 cm.

6) How many even numbers are there from 11 to 26 ?
   1) 6   2) 7   3) 9   4) 8

7) Write in the form of multiplication.
$7 + 7 + 7 + 7 + 7$
   1) 7×5 2) 7×7 3) 35   4) 77777

8) $50 - 4 \times 7 + 22 = ?$
   1) 344   2) 66   3) 44   4) 46

[P.T.O.]

9) Cost of 5 books is Rs. 60. Find the cost of 11 books.

1) Rs. 132   2) Rs. 130   3) Rs. 140   4) Rs. 150

10) Perimeter of a rectangle is 50 cm. and its length is 15 cm. What is its breadth ?

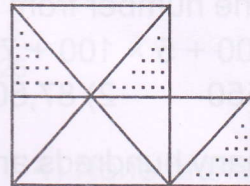1) 12 cm.   2) 10 cm.   3) 11 cm.   4) 15 cm.

11) Write the correct number in the box to make the fraction equivalent.

$$\frac{12}{31} = \frac{36}{\boxed{}}$$
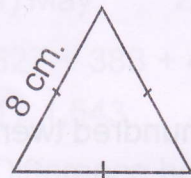
1) 62   2) 83   3) 93   4) 71

12) Write in fraction, the total shaded part from the figure.

1) $\frac{3}{10}$ 2) $\frac{10}{3}$

3) $\frac{4}{11}$ 4) $\frac{2}{5}$

13) What is the perimeter of the given equilateral triangle ?

1) 16 cm.   2) 8 cm.   3) 24 cm.   4) 64 cm.

14) Which of the following figures is a symmetrical figure ?

L   B   F   Q

1) Q   2) L   3) F   4) B

15) Radius of a circle is 7 cm. What is its diameter ?

1) 3.5 cm.   2) 14 cm.   3) 1.4 cm.   4) 17 cm.

16) What is the place value of 5 in the number 24.519 ?

1) $\frac{5}{10}$ 2) $\frac{5}{100}$ 3) 50   4) 500

17) What is the correct number in the box ?

69 − [ ] = 37

1) 37   2) 22   3) 32   4) 23

18) Ramesh bought 3 envelopes at Rs. 5 each and 15 postcards at 50 paise each. He gave a note of Rs. 50 to the post master. How much money will he get back ?

1) Rs. 28   2) Rs. 25   3) Rs. 27   4) Rs. 27.50

19) Find the number which when divided by 10 gives 16 as the quotient and 4 as the remainder.

1) 160   2) 164   3) 64   4) 40

20) Convert 160 minutes into hours and minutes.

1) 2 hours 50 minutes   2) 3 hr. 0 min.

3) 2 hr. 40 min.   4) 1 hr. 90 min.

21) IX + XI = ?

1) XX   2) XII   3) XXII   4) IIXX

22) 19 × 8 = ?

1) 162   2) 152   3) 172   4) 144

23) Write using decimal $15\dfrac{9}{100}$

1) 15.9   2) 15.09   3) 1.59   4) 0.159

24) What is the time if minute hand is on 4 and hour hand is between 10 and 11 ?

1) 10h. 20 m.   2) 11 h. 20 m.   3) 10 h. 25 m.   4) 11 h. 25 m.

25) Write next two numbers in the series 45, 39, 33, 27, [ ], [ ]

1) 21, 16   2) 23, 17   3) 22, 16   4) 21, 15

[P.T.O.]

26) 12543 – 9012 = ☐ ?

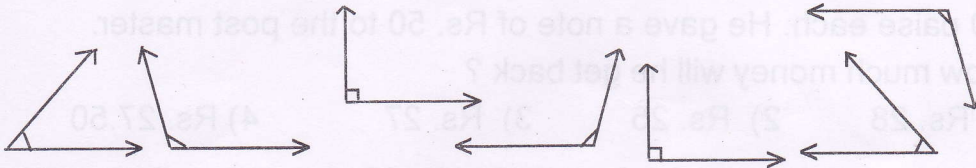   1) 3551   2) 3515   3) 3531   4) 3501

27) Write the number of acute angles, right angles and obtuse angles from the figure respectively.

   1) 3, 2, 2   2) 2, 3, 2   3) 2, 2, 3   4) 3, 3, 1

28) In a perticular year 30th June was Monday. What was the day on the 1st of that month ?

   1) Sunday   2) Saturday   3) Monday   4) Tuesday

29) Write in numerals "fiteen thousand seven hundred sixty four."

   1) 15,674   2) 15,07,64   3) 15,764   4) 15,476

30) Write in mathematical form that four time eight is greater than three times ten.

   1) 4 × 8 < 3 × 10
   2) 8 × 4 > 10 × 3
   3) 8 × 4 = 3 × 10
   4) None of these

31) Which of the following number is divisible by 2, 3 and 5 ?

   1) 4150   2) 5250   3) 2350   4) 2025

32) Deepak paid Rs. 1,540 for 7 tickets. What was the cost of one ticket ?

   1) Rs. 215   2) Rs. 200   3) Rs. 210   4) Rs. 220

[P.T.O.]

33) Write in ascending order.

$$\frac{19}{21} , \frac{5}{21} , \frac{8}{21} , \frac{15}{21}$$

1) $\frac{5}{21} , \frac{15}{21} , \frac{8}{21} , \frac{19}{21}$

2) $\frac{19}{21} , \frac{15}{21} , \frac{8}{21} , \frac{5}{21}$

3) $\frac{5}{21} , \frac{8}{21} , \frac{15}{21} , \frac{19}{21}$

4) $\frac{19}{21} , \frac{8}{21} , \frac{15}{21} , \frac{5}{21}$

34) 12 kg. 250 gm. + 3 kg. 750 gm. = ?

   1) 16 kg.   2) 15 kg. 500 gm.   3) 16 kg. 200 gm.   4) 15 kg.

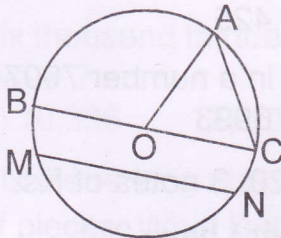35) 15 boxes of pens can be kept in 1 bag. How many bags are required to pack 450 boxes ?

   1) 28   2) 25   3) 30   4) 35

36) Asha started journey at 9.15 am. and completed it at 1.15 pm. How long did she travel ?

   1) 3 h. 30 m.   2) 4 h.   3) 4 h. 15 m.   4) 3 h. 50 m.
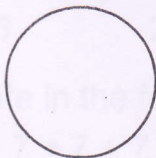
37) Name the shortest chord of the circle. .
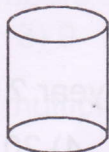

   1) Segment BC   2) Segment MN

   3) Segment OC   4) Segment AC

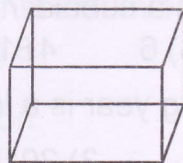38) Which of the following figures is cylinder ?

   1)   2)   3)   4)

39) How many 3 digit odd Nos. can you make using the digits 2, 7, 8 once only ?

   1) 4   2) 3   3) 2   4) 1   [P.T.O.]

40) Write in expanded form 67094.
    1) $6 \times 10000 + 7 \times 100 + 9 \times 10 + 4 \times 1$
    2) $6 \times 10000 + 7 \times 1000 + 4 \times 1 + 9 \times 10$
    3) $4 \times 10 + 9 \times 100 + 7 \times 1000 + 6 \times 10000$
    4) None of these

41) If U = units, T = Tens, H = Hundreds, TH = thousands
    45 U × 2 = 9☐
    1) units   2) tens   3) hundred   4) thousand

42) Write improper fraction of $7\frac{3}{5}$
    1) $\frac{26}{5}$ 2) $\frac{5}{38}$ 3) $\frac{38}{5}$ 4) $\frac{5}{26}$

43) 55000 militre is how many litre ?
    1) 55   2) 550   3) 5.5   4) None of these

44) Which is the fifth month of Indian Solar year ?
    1) May   2) Ashadth   3) Shravan   4) Ashwin

45) 627 + 383 + 415 = ... ?
    1) 1,543   2) 1,542   3) 1,245   4) 1,425

46) Difference between the face value of digit 7 in a number 7007 is ....
    1) 6093   2) 0   3) 693   4) 6993

47) I have four notes of Rs. 50, 5 notes of Rs. 20, 3 notes of Rs. 100, 5 notes of Rs. 10. How much total do amount I have ?
    1) Rs. 500   2) Rs. 550   3) Rs. 650   4) Rs. 600

48) How many faces has a cuboid ?
    1) 4   2) 8   3) 6   4) 12

49) Which of the following year is a leap year ?
    1) 2014   2) 2010   3) 2016   4) 2018

50) Aarya is standing at the 7th position and she is at the middle. How many total students are there in the row ?
    1) 18   2) 17   3) 12   4) 13