26. The maximum temperature in ^{0}C of a town during the days of a week were 39, 38, 38, 41, 42, 42 and 40. What was the average maximum temperature of the town for the week ?
(A) 40 (B) 41
(C) 39 (D) 38

27. Two angles are said to be congruent if :
(A) their sum is 90^0.
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(C) they have same length of arms.
(D) they have same measure.

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(C) Rs.3920 (D) Rs. 5920

31. How many chords can be drawn passing through centre ?
(A) Infinite (B) one
(C) two (D) can't drawn

32. 1 Decimetre = ___
(A) $\frac{1}{10000}$Killometre
(B) 100 Decametre
(C) $\frac{1}{10}$ Centumetre
(D) 1000 Hectometre

33. A car consumes 3 litres of petrol in travelling 57 Km. How many litres of petrol will be consumed in travelling 152 Km ?
(A) 8 (B) 13
(C) 15 (D) 9

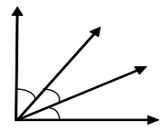
34. The product of two numbers is 24. If their L.C.M is 12, what is their H.C.F ?
(A) 1 (B) 2
(C) 3 (D) 4

35. If the H.C.F of two numbers is 1, then they are called :
(A) odd numbers
(B) co-prime numbers
(C) composite numbers
(D) prime numbers

36. What is the measure of third angle in a right angled triangle, whose one angle is 50^0 ?
(A) 40^0 (B) 50^0
(C) 90^0 (D) 130^0

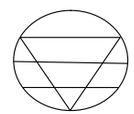
37. Which of the following is correct?
(A) Quotient $\times$ Dividend+ Remainder = Divisor
(B) Quotient $\times$ Divisor + Remainder = Dividend
(C) Divisor $\times$ Dividend + Remainder = Quotient
(D) Quotient $\times$ Remainder + Dividend = Divisor

38. If $\angle ABC$ is a right angled triangle then $\angle DBE$ = ?



(A) 50^0 (B) 25^0
(C) 15^0 (D) 40^0

39. How many chords are there in the given figure ?



(A) 7 (B) 6
(C) 5 (D) None of the above

40. Area of the rectangle is :
(A) 2(Length $\times$ Breadth)
(B) Length $\times$ Breadth
(C) 2(Length + Breadth)
(D) None of the above

1. Ten million is equal to :
   (A) 1 crore (B) 10 crore
   (C) 100 crore (D) 10 lakhs
2. What is the number whose predecessor is 100,000,000 ?
   (A) 99999999 (B) 100000001
   (C) 9999999 (D) 10000001
3. Place value and face value of a number is always equal at :
   (A) ones place (B) tens place
   (C) hundred's place (D) none of these
4. 1 is added to greatest 6 digit number which is equal to :
   (A) 1000000 (B) 100000
   (C) 99999 (D) 9999991
5. A number is exactly divisible by 5 if its digit in ones place is :
   (A) 5 (B) 0
   (C) Either 0 or 5 (D) Neither 0 nor 5
6. Find out co-prime in the given option :
   (A) 2, 4 (B) 12, 14
   (C) 21, 9 (D) 5, 7
7. If one number is a multiple of the other, the multiple is the _____ of the two numbers :
   (A) H.C.F
   (B) L.C.M
   (C) Both (A) and (B)
   (D) None of the above
8. Find the least number which when decreased by 4 is divisible by 32, 40 and 24.
   (A) 480 (B) 8
   (C) 484 (D) 12
9. Three clocks alarm at a time. After that the first clock alarms every 8 minutes, the second clock alarms every 24 minutes and the third clock alarms every 32 minutes. After how many minutes will all the three clocks alarm together ?
   (A) 8 minutes (B) 32 minutes
   (C) 24 minutes (D) 96 minutes
10. All the factors of 21 are
    (A) 3, 7 (B) 1, 3, 7, 21
    (C) 1, 3, 7 (D) None of the above

SPACE FOR ROUGH WORK

41. Chanbi jumped $4\frac{7}{12}$ feet and Chaoba jumped $3\frac{1}{6}$ feet. How much farther did Chanbi jump than Chaoba?
    (A) $1\frac{5}{6}$ feet (B) $6\frac{1}{5}$ feet
    (C) $\frac{5}{12}$ feet (D) $1\frac{5}{12}$ feet
42. How is 11 thousandth written in standard form ?
    (A) 11000 (B) 0.0011
    (C) 0.011 (D) 1100
43. Mr. A sold an article for ₹ 1540 and suffered a loss of ₹ 300. At what price should he sell the same in order to get a profit of ₹ 150 ?
    (A) ₹ 1990 (B) ₹ 1450
    (C) ₹ 1240 (D) ₹ 1840
44. Find the quotient and remainder of $121214 \div 11$
    (A) Quotient = 11018
        Remainder = 6
    (B) Quotient = 11108
        Remainder = 6
    (C) Quotient = 11018
        Remainder = 0
    (D) Quotient = 11108
        Remainder = 4
45. The fraction equivalent to $\frac{3}{5}$ is :
    (A) $\frac{3}{5}$ (B) $\frac{15}{25}$
    (C) $\frac{36}{60}$ (D) None of the above
46. Which of the following are supplementary angles ?
    (A) 0^0 and 180^0 (B) 35^0 and 155^0
    (C) 70^0 and 90^0 (D) 40^0 and 50^0
47. To get a quotient 102, what number should be divided by 15 :
    (A) 1500 (B) 1530
    (C) 1002 (D) 1020

SPACE FOR ROUGH WORK

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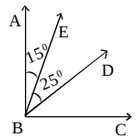

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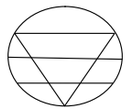

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SPACE FOR ROUGH WORK

11. What are the two consecutive prime numbers whose difference is 2 called ?
(A) Odd numbers
(B) Even numbers
(C) Twin primes
(D) Co-primes

12. The difference between the smallest 6-digit number and the greatest 3-digit number is :
(A) 9001 (B) 90001
(C) 990001 (D) 99001

13. The place value of 2 in 17.9852 is :
(A) $\frac{1}{20000}$ (B) $\frac{2}{10000}$
(C) 2000 (D) 0.0020

14. Which multiplication is wrong ?
(A) $\frac{4}{5} \times 2l = 1600ml$
(B) $\frac{1}{2} \times 4.12l = 2600ml$
(C) $\frac{2}{3} \times 2.19l = 1460ml$
(D) $\frac{3}{4} \times 3l = 2250ml$

15. An aeroplane took 4 hours 40 minutes to fly from Delhi to Imphal. The aeroplane arrived Imphal at 00.25 am. When did it leave Delhi ?
(A) 8:15 pm (B) 7:45 pm
(C) 7:45 am (D) 8:15 am

16. 1 3 5 A
x 2
B 7 1 2
From the above multiplication find the value of A + B.
(A) 6 (B) 2
(C) 8 (D) None of the above

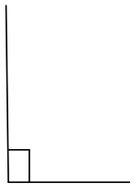
17. Sana is 13 years old. Tom is 3 years younger than Sana. Find the totol age of Sana and Tom after 20 years.
(A) 63 years (B) 86 years
(C) 33 years (D) 98 years

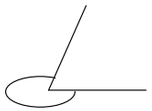
18. How many pairs of parallel lines are there in the figure ?

(A) 3 (B) 8
(C) 4 (D) 2

SPACE FOR ROUGH WORK

19. Identify the smallest angle :

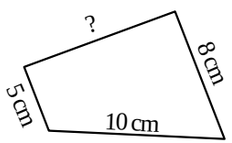
(A)  (B) 

(C)  (D) 

20. Chaoba can type 65 words in 5 minutes. How many words can he type in $1\frac{1}{2}$ hours?

(A) 480 (B) 780
(C) 1170 (D) 390

21. The perimeter of the given figure is 29cm. Find the missing length of one of its sides.



(A) 6cm (B) 9cm
(C) 8cm (D) 12cm

22. How many prime numbers are there between 51 and 100 ?

(A) 9 (B) 10
(C) 8 (D) 11

23. Simplify :-

$$\left(3+\frac{1}{3}\text{of}\,\frac{1}{8}\right)\div\left(8\frac{2}{3}-2\frac{1}{4}\div\frac{1}{4}\right)$$

(A) $9\frac{1}{8}$ (B) $-\frac{37}{4}$

(C) $-\frac{73}{8}$ (D) $\frac{1}{12}$

24. The product of two numbers is 86016. The half of one of them is 192. Find the other number.

(A) 384 (B) 442
(C) 112 (D) 224

25. What is the number which when decreased by 3 divides 26, 91 and 117 without remainder ?

(A) 10 (B) 21
(C) 16 (D) 13

SPACE FOR ROUGH WORK

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SPACE FOR ROUGH WORK

48. I am greater than 50 but smaller than 75. I am a multiple of 6. When I am divided by 9, the remainder is 3. which number am I ?

(A) 66 (B) 60

(C) 72 (D) 68

49. 10 Kg of stone = ____ Kg of cotton :

(A) *10* (B) *100*

(C) *1000* (D) *1*

50 . At what time from the given will be a straight angle between minute and hour hand ?

(A) 9 o'clock (B) 7 o'clock

(C) 6 o'clock (D) 3 o'clock

****

SPACE FOR ROUGH WORK

24thMV
(MATHEMATICS)

Time Allowed 1 hour Maximum Marks : 100

Read the following instructions carefully before you begin to answer the questions.

1. This booklet contains 50 questions in all.
2. All questions are compulsory and each question carries 2 marks.
3. Before you start to answer the questions you must check up this booklet and ensure that it contains all the pages 7(Seven) and see that no page is missing or repeated. If you find any defect in this Booklet, you must replace it immediately.
4. There will **NOT** be any negative marking for wrong answers.
5. You are required to fill the information on the answer sheet which you will get in the examination hall by **H.B. pencil or BALL point pen.**
6. **Answer Sheet** and **Question Paper** will be supplied in examination hall. After the test is over, you should hand over the answer sheet to the invigilator before leaving the room.
7. You should write your **Name, Roll No.,** carefully on the space provided in the answer sheet. Otherwise you will be awarded **ZERO** mark.
8. If you wish to change your answer, **ERASE** completely the darkened circle by using an **ERASER** and then blacken the new circle. If not erased completely, smudges will be left on the erased circle and the question will be read as having two answer and will be ignored for giving any credit.
9. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
10. You are not allowed to leave the examination hall until you are advised to do so by the invigilator.