

CLASS VI GUESS PAPER MATHS

Time : 2hrs

Total Marks: 50

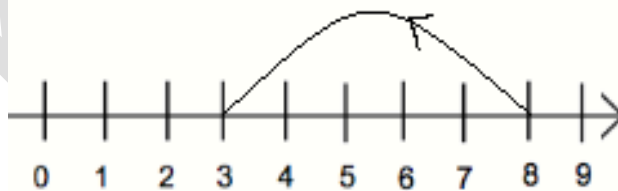
General Instructions :-

1. All questions are Compulsory.
2. The question paper consists of 27 questions and it is divided into three Sections A,B and C.
3. **Section A** comprises of 10 questions carrying 1 mark each.
4. **Section B** comprises of 11 questions carrying 2 mark each.
5. **Section C** comprises of 6 questions carrying 3 mark each.
6. Question numbers 1 to 10 in section A are multiple choice questions where you are to select one correct option out of the given four.

Section A

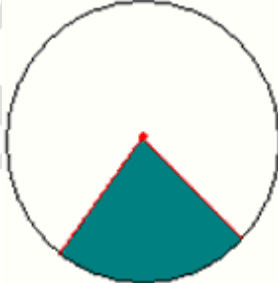
(Questions 1 to 10 carry 1 mark each)

1. Which of the following statements is shown by the given number line?



- A. $8 - 5 = 3$
- B. $8 + 5 = 13$
- C. $3 - 8 = -5$
- D. $8 + 3 = 11$

2. $12 \times (45 + 30) = \underline{\hspace{2cm}} ?$
 - A. $(12 \times 45) + (12 \times 30)$
 - B. 12×65
 - C. $12 \times 45 \times 30$
 - D. $(12 \times 45) \times (12 \times 30)$
3. The sum of $267 + 132$ to nearest ten is ----- ?
 - A. 500 B. 400 C. 3000 D. 1500
4. The greatest number that will divide 10 and 18 is ...?
 - A. 4 B. 2 C. 5 D. 3
5. Mixed fraction for $\frac{5}{3}$ is ...?
 - A. $\frac{12}{3}$
 - B. $\frac{1}{3}$
 - C. $1\frac{2}{3}$
 - D. 12
6. What does the shaded region in following figure represent ?



 - A. Segment of a circle
 - B. Radius of a circle
 - C. Chord of a circle
 - D. Sector of a circle
7. What is answer of $14 \times 15 + 14$:
 - A. 145
 - B. 124

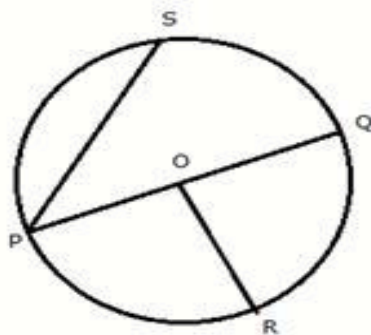
- C. 231
D. 224
8. $99999+1$:
- A. 100000
B. 45000
C. 1200
D. 4566
9. 10 ten thousand means :
- A. 10000000
B. 100000
C. 100000000
D. 10000000000000000
10. CDXXXVIII means :
- A. 100000 B. 438 C. 538 D. 234

Section B

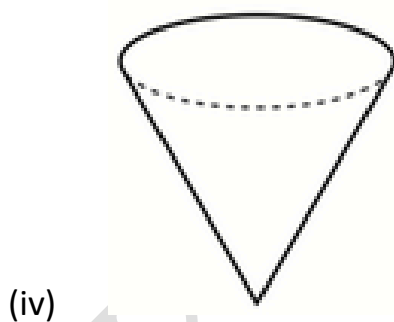
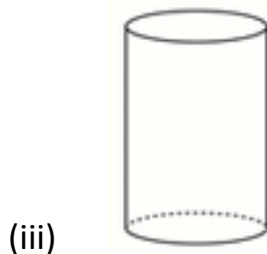
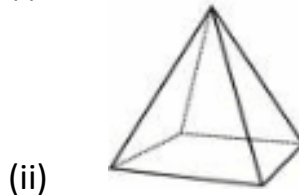
(Questions 11 to 21 carry 2 mark each)

11. Evaluate the difference between the place values of two 9's in the number 79520986 ??

12. Name all the radii drawn in the given figure.



13. How many vertices do following shapes have ?



14. Anna is standing on a rock that 7 feet above sea level . she jumps off the rock, she hits another rock 3 feet below and then walks 2 feet down. How many feet did she come down ?

15. Find the sum : $(-13) + (-19) - (-12) + (-156)$?

16. Estimate each of the following using general rule :

A. $730+998$

B. $796-215$

C. $12,251+5,129$

17. Estimate the following products using general rule :

A. 578×161

B. 5281×3491

18. Find the product using suitable properties :

- A. 738×105 B. 415×98 C. 450×150

19. The numbers 13 and 31 are prime numbers. Both these numbers have same digits 1 and 3 . find such pairs of prime numbers upto 100.

20. Express the following as the sum of two odd primes.

- A. 44 B. 36 C. 24

21. Write seven consecutive composite numbers less than 100 so that there is no prime number between them.

Section C

(Questions 22 to 27 carry 3 mark each)

22. The one of two numbers is 25 and the H.C.F. and L.C.M. of these numbers are 5 and 120 respectively, then, find the sum of the reciprocals of the numbers ?

23. Determine the smallest 3- digit number which is exactly divisible by 6,8 and 12.

24. The traffic lights at three different road crossing changes after every 48 seconds,72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m. at what time will they change simultaneously again ?

25. Draw any circle and mark-

- (i) Its centre (ii) a radius (iii) a diameter (iv) a sector (v) a segment
(vi). A point in the interior (vii) a point in its exterior (viii) an arc

26. What fraction of a clock wise revolution does the hour hand of a clock turn through, when it goes from-

- (i) 3 to 9 (ii) 4 to 7 (iii) 7 to 10 (iv) 1 to 10

27.(a) using the number line write the integer which is :

- (i) 3 more than 9 (ii) 5 more than -4 (iii) 3 less than -7 (iv) 4 less than 8

(b) use number line and add the following integers :

- (i) $9 + (-4)$ (ii) $8 - (-9)$ (iii) $(-4) + (-6) + 12$ (iv) $12 - (-4) - (-5)$