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REGIONAL OFFICE VARANASI

SUMMATIVE ASSESSMENT – II (2016 – 17)

CLASS – VI MAX. MARKS: 60

SUBJECT: MATHEMATICS MAX.TIME: $2\frac{1}{2}$ Hours

General Instructions:

1. All the questions are compulsory.
2. The paper has 26 questions divided into 4 sections A , B , C & D . Section A contains 8 MCQ type questions of 1 mark each, section B contains 6 questions of 2 marks each , section C contains 8 questions of 3 marks each and section D contains 4 questions of 4 marks each.
3. There is no overall choice in this question paper.
4. Use of calculator or any electronic device is not permitted.

Section – A

Choose the correct option in the following questions

1.The equivalent fraction of $\frac{3}{5}$ having denominator 20 is :

(a) $\frac{6}{20}$ (b) $\frac{9}{20}$ (c)$\frac{12}{20}$ (d) $\frac{15}{20}$

2.Seven – tenths can be written as decimal :

(a) 0.7 (b) 7 (c) 0.007 (d) 70

3. Which of the following is a proper fraction?

(a) $\frac{13}{12}$ (b) $1\frac{1}{10}$ (c) $\frac{10}{9}$ (d) $\frac{7}{17}$

4. 15 cm will be expressed in metre using decimal as :

(a) 1.5 m (b) 0.15 m (c) 1500 m (d) 0.015 m

5.If the length of each side of an equilateral triangle is$l$ unit , then its perimeter is :

(a) $3l$ unit (b) $4l$ unit (c) $6l$ unit (d) $5l$ unit

6.Area of a square plot of side 8 m is :

(a) 16 sq m (b) 12 sq m (c) 64 sq m (d) 32 sq m

7. The number which will fill the blank in $\frac{5}{6} = \frac{25}{\quad}$ is:

(a) 12 (b) 18 (c) 24 (d) 30

8. Which of the following letters has both horizontal and vertical lines of symmetry?

(a) H (b) A (c) B (d) C

Section – B

9. Express the followings as directed in the brackets.

(a) $6\frac{2}{5}$ (Improper Fraction) (b) $\frac{11}{4}$ (Mixed Fraction)

10. Write the following decimals in the given place value table.

(a) 19.4 (b) 205.06

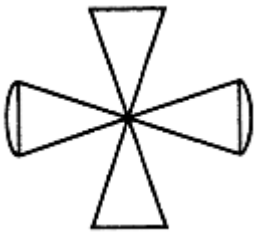
	Hundreds (100)	Tens (10)	Ones (1)	Tenths (1/10)	Hundredths (1/100)
(a)					
(b)					

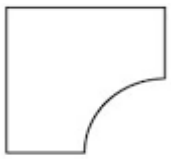
11. The area of rectangular garden 50 m long is 300 sqm. Find the width of the garden.

12. Find the ratio of 55 paise to Re 1.

13. Draw the lines of symmetry of the following figures.

(a) (b)





14. Draw any circle and mark points A , B and C such that

(a) A is on the circle (b) B is in the interior of the circle (c) C is in the exterior of the circle

Section – C

15. Add $2\frac{2}{5}$ and $3\frac{5}{6}$

16.(a) Subtract 2.051 km from 5.206 km.

(b) Add 27.076 , 0.55 and 0.004

17. In Mathematics test , the following marks were obtained by 40 students. Arrange these Marks in a table using tally marks.

8	1	3	7	6	5	5	4	4	2	4	9	5	3	7	1	6	5	2	7
7	3	8	4	2	8	9	5	8	6	7	4	5	6	9	6	4	4	6	6

(a) How many students obtained marks equal to or more than 7 ?

(b) How many students obtained marks below 4 ?

18. A floor is 5 m long and 4 m wide . A square carpet of sides 3 m is laid on the floor . Find

the area of floor that is not carpeted .

19. Divide Rs 60 between Ram and Shyam in the ratio 3 : 2 .

20. On a squared paper , sketch the following.

(a) A triangle with a horizontal line of symmetry.

(b) A quadrilateral with both horizontal and vertical lines of symmetry.

21. Draw any line segment $\overline{PQ}$of length 6 cm . Mark a point R on it . Through R draw a perpendicular to $\overline{PQ}$. (Use ruler and compasses)

22. Draw an angle of 147 ^{0} and construct its bisector.

Section – D

23. Javed takes $2\frac{1}{5}$ minutes to walk across the school ground . Rahul takes $\frac{7}{4}$ minutes to do the same . Who takes the less time and by what fraction?

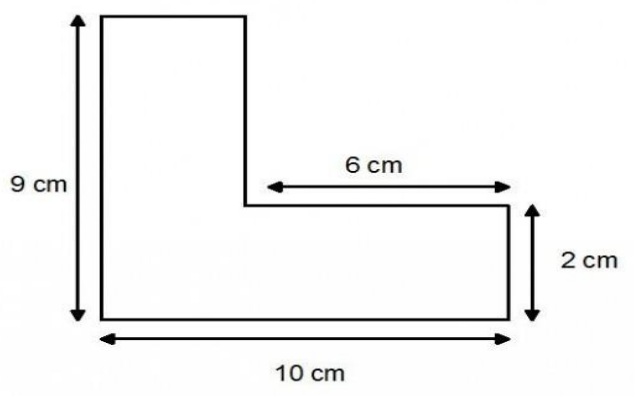
24. Total number of students of a school in different years is shown in the following table

Years	Number of students
1996	300
1998	350
2000	500
2002	450
2004	400

Prepare a pictograph of students using one symbol (as you wish) to represent 50 students and Answer the following questions.

(a) How many symbols represent the total number of students in year 2002 ?
(b) Find the difference of number of symbols in years 2000 and 1996 .

25. Find the area of the given figure by splitting it into rectangles.



26. If the cost of 7 m of cloth is Rs294 , find the cost of 5 m of cloth.