

ANANDALAYA PERIODIC TEST – 3 Class: VII

M.M: 40 Time: 1 Hr.30mins

Dute : 07 01 2025

General Instructions:

- (1) This question paper contains 21 questions. All questions are compulsory.
- (2) This question paper is divided into 4 sections A, B, C and D.
- (3) In Section-A, Questions 1 9 are multiple choice questions (MCQ's) each of 1 mark.
- (4) In Section-B, Questions 10 15 are very short- answer type questions carrying 2 marks each.
- (5) In Section-C, Questions 16 20 are short- answer type questions carrying 3 marks each.
- (6) There is no overall choice. However, an internal choice has been provided in 2 questions in Section-B and 2 questions in Section-C.
- (7) Question 21 in Section D is a case study-based question carrying 4 marks with subparts of values of 1, 1 and 2 marks respectively.
- (8) Use of calculators is not allowed.

(9) Draw neat and clean figures wherever required.

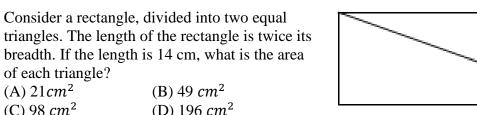
(10) Take $\pi = 22/7$ wherever required if not stated.

Section-A

1.	The interest on a s (A) ₹ 100	sum of ₹2500 for 4 yes (B) ₹200	ars at the interest rate 4 (C) ₹300	% is (D) ₹400	(1)
2.	The ratio of 6 kg t (A) 10:1	$\begin{array}{c} 6 \ 400 \ g \ \text{is} \\ (B) \ 15:1 \end{array}$	(C) 12 : 1	(D) 6:1	(1)
3.	The percent that represents the unshaded region in the figure given is				(1)
	(A) 75%(C) 40%	(B) 50 (D) 60	9% %		
4.	Which of the follo	owing is the standard f	form of $\frac{-42}{56}$?		(1)
	(A) $\frac{-3}{4}$	(B) $\frac{3}{4}$	(C) $\frac{-6}{8}$	(D) $\frac{6}{8}$	
5.	Which option sho	ws the correct comparison K -2 -1	represent rational numbrison of the rationa	bers? \downarrow \downarrow 2	(1)

- 6. Length of the tape required to cover the edges of a semi-circular disc of radius 10 cm is ____. (1) (Take $\pi = 3.14$)
 - (A) 62.8 cm (B) 51.4 cm (C) 31.4 cm (D) 15.7 cm

Which is the greatest number in the following? 7. **(B)** 0 (A) (C)



(1)

(D)

2

9. A statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct (1) answer out of the following choices.

1 2

A: Rectangular wire of length 40 cm and breadth 20 cm is bent in the shape of a square. The side of the square is 30 cm.

R: Side of square = $2(40+20)/4 = 30 \ cm$

- (A) Both A and R are true and R is the correct explanation of A.
- (B) Both A and R are true but R is not the correct explanation of A.
- (C) A is true but R is false.
- (D) A is false but R is true.

8.

(A) $21cm^2$

(C) 98 cm²

Section-B

- Represent $\frac{-12}{7}$ on the number line. 10.
- Find the whole quantity if 5% of it is ₹ 750. 11.

OR

(A) Convert $\frac{3}{40}$ to percents (B) Divide 150 chocolates between Roy and Simran in the ratio of 2:3.

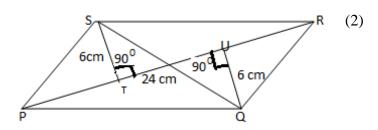
taking 50 rounds.

12. Find the circumference of a wheel whose radius is 63 cm. Find the distance covered by it while (2)

OR

Find the area of the square whose perimeter is 160 m.

- 13. 800 kg of mortar consists 55% sand, 33% cement and rest lime. What is the mass of lime in (2) mortar?
- 14. Find the area of the parallelogram PQRS, if $PR = 24 \ cm$ and $QU = ST = 6 \ cm$.



The population of a city decreased from 25000 to 24500. Find the decrease percentage 15.

Section-C

- (A) (i) A cricket team played 40 matches in one season. It won 25% of them. How many 16. (3)matches did they win? Also, find the number of matches lost by the team.
 - (ii) Rita spends 90% of her salary. If her savings is \gtrless 900, find her salary.

OR

(B) By selling an article for ₹ 24000, shopkeeper makes profit of 20%, find the cost price of the article.

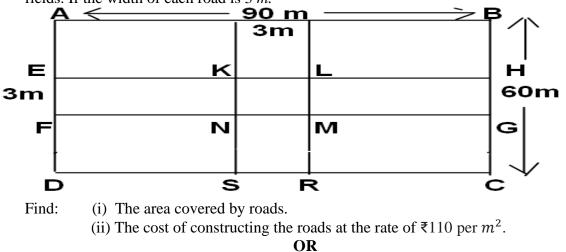
(2)

(1)



(2)

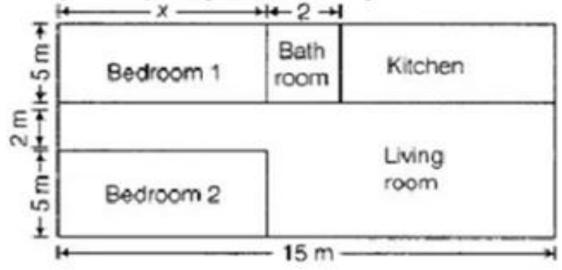
- 17. Ranu and Gauri deposited ₹ 3000 and ₹ 4000 in a company at the rate of 10% per annum for (3) 3 years and 2¹/₂ years respectively. Find the difference of the interest received by them.
- 18. Evaluate: $5\frac{13}{28} \div 2\frac{19}{49}$ (3)
- 19. (A) Through a rectangular field of length 90 *m* and breadth 60 *m*, two roads are constructed (3) which are parallel to the sides and cut each other at right angles through the centre of the fields. If the width of each road is 3 *m*.



- (B) The circumference of a circle is 31.4 *cm*. Find the radius and area of the circle. (Take $\pi = 3.14$).
- 20. List three rational numbers between $\frac{-5}{7}$ and $\frac{-3}{8}$. Write them in simplest form. (3)

Section-D

21. Study the layout given in the figure and answer the questions.



- (i) If the floor area of each bedroom is 35 sq. metre, then find the value of x.
- (ii) Calculate the perimeter of the living room.
- (iii) If the cost of carpeting is \gtrless 50 per *sq. m*, find the total cost of carpeting both the bedrooms.

(4)