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EXTRA QUESTIONS
SUBJECT- MATHS

CLASS- VII

Section - A

Questions 1 to 10 carry 1 marks each :-

1. Find the product of (-3) x (0) x (-6)
2. Evaluate 50÷ (-5)
3. Find the mean of 5,1,0,4,6,3
4. Solve x – 3 =7
5. Find the complement of 35 ∘ .
6. Define median of a triangle .
7. Solve 1½ + ¾
8. 7 Ruppes 7 paise = _____ rupees .
9. Is it possible to have a triangle with sides 3cm , 6 cm,7cm ?
10. Find the value of x in the given figure

Section - B

Question 11 to 15 Carry 03 Marks Each .

11. Find a) 4/9 x 3/8 b) 3/16 ÷ 7/20
12. Write down a pair of integers whose :

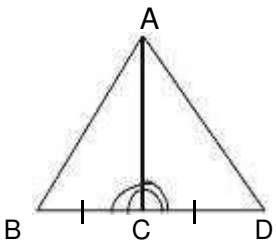
    a) Sum is -4

    b) Difference is – 3 .

13. Shaili finished her home work in 7/12 hour . Vijay finished the same homework in ¾ hour. Who worked longer ? By what fraction was it longer ?

14. Δ PQR is a triangle , right – angled at P. if PQ = 10 cm and PR = 24 cm , find QR.

15. You have to show that ΔABC ≈ ΔADC . Write the missing reasons in the following proof :



	Steps	Reason
(i)	BC = DC	_____
(ii)	L BCA = L DCA	_____
(iii)	AC = AC	_____
(iv)	Δ ABC ≈ Δ ADC	_____

Section – C

Question No. 16 to 19 Carry 4 Marks each .

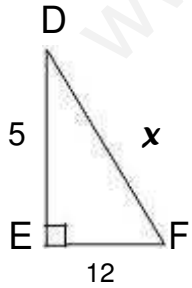
16. Evaluate :-

1. 3/5 + 2/ 7
2. 4/5 x 12/7
3. 9/11 – 4/15
4. 4/9 ÷ 2/3

17. Fill in the following Blanks .

1. -69 + _____ = -69
2. -89 x _____ = -89
3. -13 + {17 +(-40)} = _____ +_____+_____
4. -609 ÷ ___ = 1

18. Find x



19. If Δ PQR ≈ Δ LMN then find

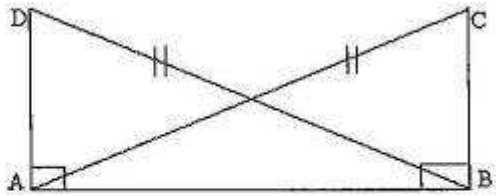
a) PR ↔ b) QR ↔

c) LR ↔ d) LQ ↔

Section – D

Question No. 20 to 24 Carry 7 Marks Each .

20. Define RHS congruence criterion. In the given figure, DA $\perp$ AB, CB $\perp$ AB and AC = BD. State the three pairs of equal parts in $\triangle$ABC and $\triangle$DAB. Which of the following statements is meaningful?



i) $\triangle ABC \cong \triangle BAD$
ii) $\triangle ABC \cong \triangle ABD$

21. a) A tree is broken at a height of 5*m* from the ground and its top touches the ground at a distance of 12*m* from the base of the tree. Find the original height of the tree.

b) Find the perimeter of the rectangle whose length is 40 *cm* and a diagonal is 41 *cm*.

22. Solve a) $2y + \frac{5}{2} = \frac{37}{2}$ b) $7m - \frac{19}{2} = 13$ c) $10 = 4 + 3(t - 2)$

d) When you toss a coin, what is the probability of getting a HEAD?

23. Find a) $\frac{4}{9} \div 5$ b) $2\frac{1}{3} + \frac{3}{5}$ c) $2\frac{3}{5} \times 3$

d) Give an example of each - *like* and *unlike* fraction.

Consider this data collected from a survey of a colony

Favourite Sport	Cricket	Basket Ball	Swimming	Hockey	Athletics
Watching	1240	470	510	423	250
Participating	620	320	320	250	105

i) Draw a double bar graph choosing an appropriate scale.
ii) Which sport is most popular?
iii) Which is more preferred, watching or participating in sports?

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