

FIRST TERMINAL EXAMINATION, 2016
MATHEMATICS

Time : 3 hrs.

Class V

M.M: 100

Date : 22.09.2016


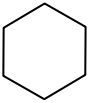


General Instructions :

- The question paper comprises of 4 sections, A, B, C & D. You are to attempt all the sections.
- **All** the questions are compulsory in section “A”.
- Section “B” comprises 10 questions and you are to attempt **any 8** questions.
- Section “C” comprises 10 questions and you are to attempt **any 7** questions.
- Section “D” comprises 5 questions and you are to attempt **any 3** questions.
- Use **Grid Paper** to solve question no. D5 (b).

SECTION –A

(Attempt all the questions of this section)

Choose the correct option.

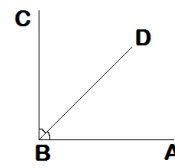
- A1** Identify the figure given in the following Picture **(1)**
- a) Pentagon b) Hexagon c) Heptagon d) Octagon 
- A2** 20 Fisherwomen have their own bank. Each of them saves Rs 500 every month and puts it in the bank. How much money does the group collect every month? **(1)**
- a) Rs 2000 b) Rs 5000 c) Rs 6000 d) Rs 10000
- A3** Perimeter of a rectangle = **(1)**
- a) $2 + (\text{Length} + \text{Breadth})$ b) $2 \times (\text{Length} + \text{Breadth})$
c) $2 \times \text{Length} + \text{Breadth}$ d) $2 + (\text{Length} \times \text{Breadth})$
- A4** $\frac{4}{9} = \dots\dots\dots$ **(1)**
- a) $\frac{8}{10}$ b) $\frac{2}{3}$ c) $\frac{8}{18}$ d) None of these
- A5** Which of the following shapes will not change after $\frac{1}{4}$ turn? **(1)**
- a)  b)  c)  d) None of these
- A6** $1111 \times 1111 = \dots\dots\dots$ **(1)**
- a) 12345678 b) 1234321 c) 111111111 d) None of these

A7 Choose the correct sign 4, 29,860 ? 4, 29,806. (1)

- a) < b) > c) = d) None of these

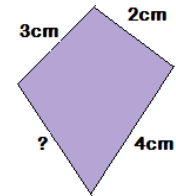
A8 If $\angle ABC = 90^\circ$ and $\angle CBD = 40^\circ$, then find $\angle DBA = ?$ (1)

- a) 30° b) 40° c) 50° d) 60°



A9 If the Perimeter of the given figure is 15 cm, then the missing length of the side iscm. (1)

- a) 4 cm b) 5 cm c) 6 cm d) 7 cm



A10 Improper fraction for $6\frac{1}{2} = \dots\dots\dots$ (1)

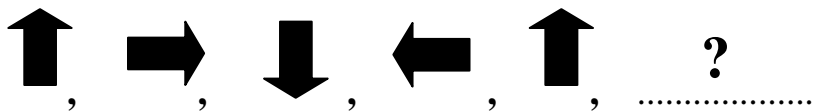
- a) $\frac{8}{2}$ b) $\frac{6}{2}$ c) $\frac{7}{2}$ d) $\frac{13}{2}$

Fill in the blanks.

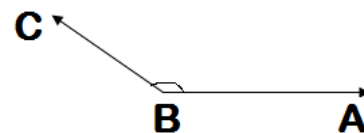
A11 After quarter of a turn **J** will be _____ . (1)

A12 A Rectangle of Length 4 cm and Breadth 5 cm has area of _____ cm^2 . (1)

A13 Continue the pattern (1)



A14 Type of $\angle ABC$ is..... (1)



A15 $\frac{4}{5}$ of Rs 250 = Rs..... (1)

A16 Match the correct pairs. (1)

- | | | | |
|------------------|---|---------------------|-----|
| a) 90^0 | - | i) $2\frac{1}{4}$ | (1) |
| b) $\frac{9}{4}$ | - | ii) Right Angle | (1) |
| c) 45^0 | - | iii) Straight Angle | (1) |
| d) $\frac{2}{5}$ | - | iv) Acute Angle | (1) |
| e) 180^0 | - | v) $\frac{10}{25}$ | (1) |

SECTION -B

(Attempt any 8 questions)

B1 Speed of a Log boat is 5 km/hour. How far it can go in 7 hours ? **(3)**

B2 Draw a clock, and then show its hour and minute hands, so that the angle between them will be a Right Angle. Write the time shown by the clock too. **(3)**

B3 Find the area and perimeter of a rectangle whose length is 12cm and breadth is 15cm. **(3)**

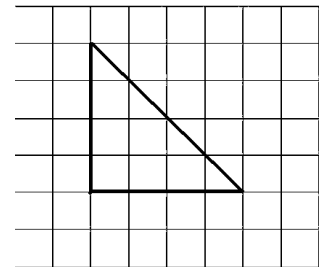
B4 Draw grid of 16 squares and make patterns with **(3)**
2/8 Yellow, 1/2 Red and 1/4 Blue.

B5 Write any 3 English words (not the alphabets) which can be read same after half turn. **(3)**

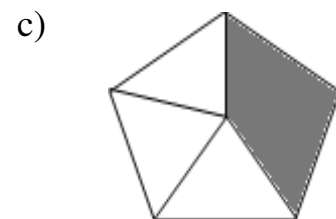
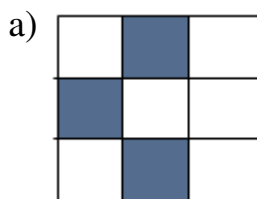
B6 Continue the pattern by turn of 45° to the given letter. **(3)**



B7 Find the area of the given triangle considering one side of grid box as 1 cm. **(3)**



B8 Write the fraction of shaded part of the given figures : **(3)**



B9 Look at the following shapes. Draw how they will look on 1/3 and 1/6 turn. **(3)**

	1/3 turn	1/6 turn
P		

B10 See the patterns

(3)

- $1+2+3+4+5=15$
- $2+3+4+5+6=20$
- $3+4+5+6+7=25$

then find

$$7+8+9+10+11=\dots\dots?$$

SECTION -C

(Attempt any 7 questions)

C1 Look at the table and calculate :

Type of boat	Catch of fish in one trip (in kg)	Speed of the boat (how far it goes in one hour)
Log boat	20	4 km per hour
Long tail boat	600	12 km per hour
Motor boat	800	20 km per hour
Machine boat	6000	22 km per hour

Now answer these

- About how much fish 'Long tail boat' and 'Machine boat' bring in 5 trips?
- How far do Machine boats go in seven hours?

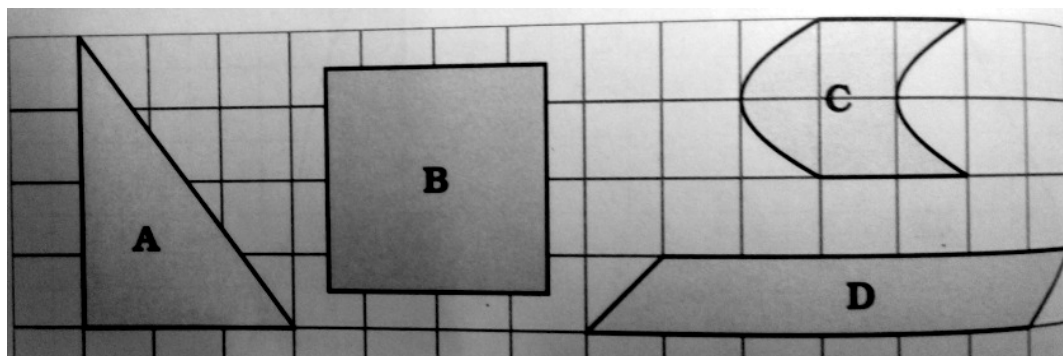
C2 Draw the following angles then label their vertices and arms.

(4)

- 45°
- 110°
- 175°
- 90°

C3 Write the area of the Shapes below considering one side of grid box as 1 cm.

(4)



C4 Write any 2 equivalent fractions of :

(4)

- $\frac{5}{6}$
- $\frac{7}{9}$

C5 Insert proper sign (- / + / × / ÷) in the boxes to get the answer. (4)

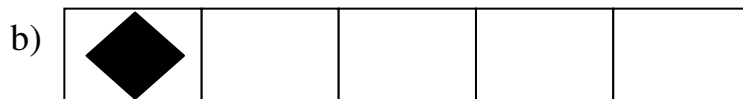
a) $6 \square 6 \square 6 = 30$

b) $5 \square 5 \square 5 = 30$

c) $10 \square 10 \square 2 = 30$

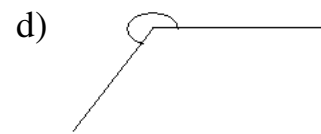
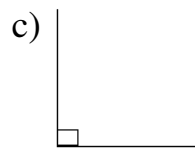
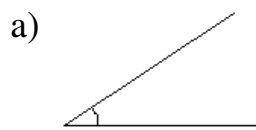
e) $10 \square 5 \square 15 = 30$

C6 Continue the pattern by $\frac{3}{4}$ turn (4)



C7 Rahim and Rajiya took a loan of Rs 21,000 to start their new business. They paid back the loan in monthly instalments. They paid back total of Rs 23,520 in one year. How much will they pay back every month? (4)

C8 See the following angles then write their types: (4)



C9 Draw any 4 figures which can be divided into two symmetrical halves (mirror halves). Draw their line of symmetry too. (4)

C10 Convert the following numbers into Palindromes. (4)

a) 251

b) 816

c) 47121

SECTION – D

(Attempt any 3 questions)

D1 Jhansi wants to dry 6000 kg fresh fish in her fish drying factory. She bought the fresh fish for Rs15 per kg and after drying them she can sell it with Rs 70 per kg. Weight of dried fish is $\frac{1}{3}$ of fresh fish. Find the money earned by Jhansi after selling the dried fish. (6)

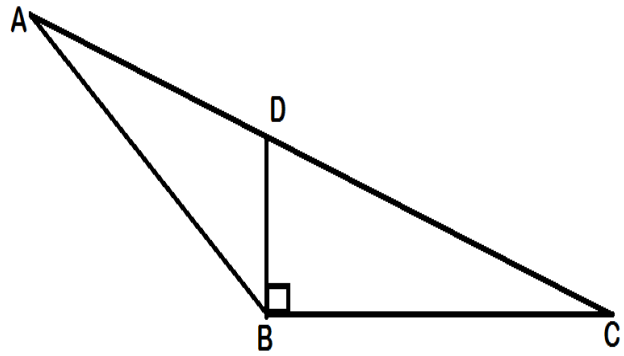
D3 Fill in the blanks to complete the table (6)

Sn.	Perimeter	Length	Breadth
1	42cm	12cm	?
2	94m	?	25m
3	20cm	6cm	?

D2 See the following figure:

(6)

- a) Name a right angle -
- b) Name an acute angle -
- c) Name an obtuse angle -
- d) Name a straight angle -
- e) $\angle ADB$ isangle.
- f) $\angle ACB$ isangle.



D4 a) Write the equivalent fraction with denominator 30.

(6)

- i) $\frac{7}{10} = \dots\dots\dots$
- ii) $\frac{2}{3} = \dots\dots\dots$
- iii) $\frac{11}{15} = \dots\dots\dots$

b) Draw the following shapes on the square grid paper.

- i) A kite of area 8 cm^2 .
- ii) A Square with perimeter 12cm.
- iii) A hexagon with area 6 cm^2 .

D5 See the following Price list then find the answers:

(6)

- a) How Much does $2\frac{1}{2}$ kg tomatoes cost?
- b) Firdausi wants to buy $3\frac{1}{2}$ kg Potatoes. How much will it cost?
- c) Fatima bought $3\frac{3}{4}$ kg gourd. How much did she pay for it?

Item	Price (per kg)
Tomato	Rs 30
Potato	Rs 20
Onion	Rs 16
Carrot	Rs 60
Gourd	Rs 12

ACTIVITY.

(10)

