

AFSS CENTRAL EVALUATION SYSTEM

Central Assessment Team (CAT), HO Islamabad

Final Term/ Annual Examination 2015 – 2016

MATHEMATICS - Class V

100 marks

3 hours

INFORMATION FOR STUDENTS

Marks are given against each question or part of question.

Write your name, roll number and date in the spaces provided below.

Student's Name:

Roll No:

Center's Name:

Date:

Day:

Invigilator's Name:

Sign:

Marks Obtained:

Remarks:

Examiner's Name:

Sign :

Date:

Day:

OBJECTIVE

Q. No. 1: Fill in the blanks.

10

- i) A seven sided polygon is called _____.
- ii) The area of a triangle is $\frac{1}{2}$ _____.
- iii) A ray has only _____ end point.
- iv) A circle can have _____ semi-circle.
- v) The average of 1,2,3,4 and 5 is _____.
- vi) There are _____ degrees in a complete turn.
- vii) An acute angle is any angle greater than 0° but less than _____.
- viii) _____ $\times 100 = 23.69$
- ix) $3.6 \div$ _____ $= .36$.
- x) An _____ is always divisible by 2.

Q. No. 2: Write true or false.

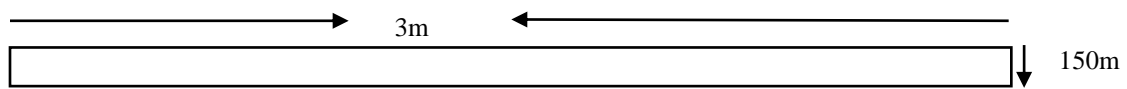
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- i) A circle is a closed figure.
- ii) A diameter is the longest chord in a circle.
- iii) A circle can have many chords.
- iv) A triangle can have only obtuse angle.
- v) The sum of the angles in a rectangle is 360° .

Q. No. 3: Choose the best answer.

10

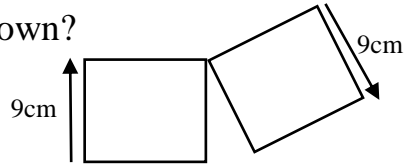
i) What is the area of the given figure?



- a) 40cm^2 (b) 450cm^2 (c) 4.5cm^2 (d) 45m^2

ii) What is the total area of the two mats shown?

- a) 81cm^2 (b) 180cm^2
c) 162cm^2 (d) 64m^2



iii) What is the value of the digit 6 in 60,594?

- a) 6000 (b) 60,000 (c) 6,00,000 (d) 600

iv) Ten lakh is the same as:

- a) 5 million (b) 10 million (c) 10 thousand (d) 1 million

v) The predecessor of 9,07,000 is:

- a) 9,07,600 (b) 9,06,000 (c) 9,06,999 (d) 9,07,199

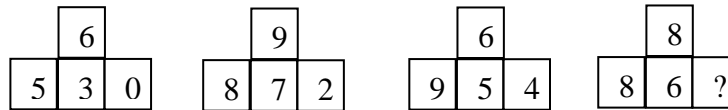
vi) The sum of the place value of 6 in the numeral 6,46,60 is:

- a) 6,06,060 (b) 6,60,000 (c) 6,60,600 (d) 6,60,600

vii) If 9 pens cost Rs.135, what will the cost of one pen be?

- a) Rs. 6 (b) Rs. 9.50 (c) Rs. 11.20 (d) Rs. 15

viii) Which number should replace the question mark?



- a) 6 (b) 9 (c) 4 (d) 5

ix) The product of 840 and 1000 is:

- a) 8,4.20,000 (b) 84,000 (c) 8,40,000 (d) 8400

x) $9999 + 999 = \underline{\hspace{2cm}}$

- a) 10,000 (b) 10,999 (c) 10,900 (d) 10,998

Q. No. 4:A) Write '<', '>' or '=' in the boxes.

5

i) 1, 29, 30, 142 2, 930, 421

ii) 8, 64, 30, 295 6, 430, 295

iii) Arrange in ascending order 34106235, 3 41 60 532, 34159332.

iv) Complete the pattern

1103000, 1104000, _____, _____.

v) Change the following number into international periods 3, 54, 06, 295

Q. No. 4:B) Match Column A with Column B.

10

<u>Column A</u>	<u>Column B</u>
$P + P + P + P + P + P$	$\frac{23}{100}$
$8c - 4c$	53
10% of Rs. 50	21.2
0.23	$\frac{2}{5} \times \frac{5}{6}$
75%	54
$21\frac{1}{5}$	6P
$6 \div \frac{1}{9}$	Rs. 5
$2\frac{2}{5} \times 3$	$\frac{75}{100}$
Two - fifths of $\frac{5}{6}$	4c
$8 \times 6 + 10 \div 2$	$\frac{36}{5}$

SUBJECTIVE

Solve any six questions of the following.

10 x 6 = 60

Q. No. 1.a) : Take away

$$2a + 1b + 1c \text{ from } 2a + 1b + 1c + 1d$$

b) Find the distance travelled?

$$S = 55\text{kmph}, T = 4\text{hrs}, D = ?$$

Q. No. 2.a): Sid buys a kilogram of space-fingers on 6 different days. The price he pays are Rs.8, Rs.10, Rs.7.50, Rs.12, Rs.11.75 and Rs. 9.25. Find the average price.

b) Construct the triangle ΔPQR

$$\text{Where } \angle QPR = 30^\circ, \angle PQR = 60^\circ \text{ and side } QP = 4\text{cm.}$$

Q. No. 3.a): Find the amount owed to bank after one year.

$$\text{Principal} = \text{Rs. } 12,000 \quad \text{Interest} = 6\%$$

b) Find the profit or loss C.P=Rs.1764, S.P=Rs.2456

Q. No.4.a): Solve the following division and rounding off your answer two decimal places. $(472,689) \div 64$

b) Change 7.394 into percentages.

Q. No. 5: Add & subtract.

a) $10.049 + 3.117 + 8.632$

b) $7.41 + \{0.18 + (6.29 - 4.81)\}$

Q. No. 6: Use DMAS rule to simplify the following expressions

a) $10.01 * 3.5 - 6.881$

b) $7.41 + \{0.18 + (6.29 - 4.81)\}$

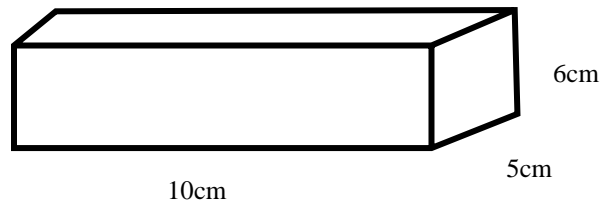
Q. No. 7.a): In a class of 44 pupils, $\frac{3}{4}$ are girls. How many girls are there altogether? How many boys?

b) Solve the following multiplication $3\frac{1}{9} \times \frac{1}{3}$

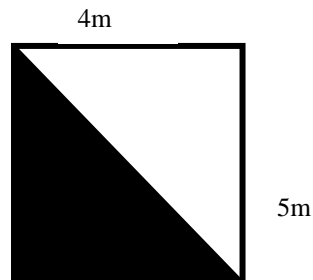
Q. No.8.a): Find the L.C.M by division method 55 and 66.

b) Find the H.C.F of 120 and 168.

Q. No. 10: Find the volume and capacity of the following figure.



Q. No. 11: Find the area of



b) Write in words:

i) 8,96,432 (ii) 9,123,312