**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**Final Term/ Annual Examination 2016 – 2017**

**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:  Date: | Sign :  Day: |

***OBJECTIVE-40marks***

**Q No1:Fill in the blanks. 10**

i) A ray has only \_\_\_\_\_\_\_\_\_\_\_\_\_\_ end point.

ii) The supplement of 290 is \_\_\_\_\_\_\_\_\_\_\_\_\_.

iii) A seven sided polygon is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

iv) P+P+P+P+P+2P= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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 0O but less than \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

viii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ × 100 = 23.69

ix) 8.74 ÷ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ = 0.0874.

x) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ number is not divisible by 2.

**Q No2:Tick (✓) the true and cross (x) the wrong ones. 5**

i) The sum of the angles in a rectangle in 360O.

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) A circle is a closed figure.

**Q No3:Choose the best answer. 10**

1. The area of square is 49cm2 .What is its perimeter?

a) 14cm2 (b) 28cm (c) 280cm (d) 490cm2

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

8cm

a) 81cm2 (b) 180cm2

8cm

c) 162cm2 (d) 64m2

iii) What is the value of 9 in 60,594?

a) 90 (b) 90,000 (c) 9,00,000 (d) 900

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 be the cost of one pen?

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

viii) Which number should replace the question mark?

?

6

8

8

6

4

5

9

9

6

7

2

0

3

5

8

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

ix) Product of 840 and 1000 is:

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

x) 9999 + 999 = \_\_\_\_\_\_\_\_

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

**Q No4(a):Write ‘<’ , ‘>’ or ‘=’ in the boxes. 5**

i) 1, 39, 40, 162 13, 940, 162

ii) 8, 64, 30, 295 86, 430, 295

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

iv) Complete the pattern

1103000,1104000, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

v) Change the number 8, 14, 09, 395 into international periods

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Q No4(B):Match Column A with Column B. 10**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| 10k+ 2k |  |
| 8c – 4c | 53 |
| 10% of Rs. 50 | 46.2 |
| 0.134 |  |
| 75% | 54 |
|  | 12k |
| 6 ÷ | Rs. 5 |
| × 3 |  |
| Two – fifths of | 4c |
| 8 × 6 + 10 ÷ 2 |  |

***SUBJECTIVE0-60***

**Solve any six of the following questions. 10x 6 = 60**

**Q No1(a):** Add 6a + 8b + 3c and 12a + 1b + 4c + 2d

**(b):**Find the Time taken.

D = 100km , S = 60kmph , T = ?

**Q No2(a):**Over a 4-month period, Moiz’s monthly income was Rs.5000, Rs.4000, Rs.2500, Rs.1000. What was his average income for that period.

**(b):**Construct the triangle **Δ**PQR

Where ∠QPR =45 O,∠PQR = 25O and side QP = 4cm.

**Q No3(a):**Calculate the interest where.

P = Rs.1500 , R=8% , T= 5 years

**(b):**Find the selling price C.P=Rs.2500, loss=Rs.188

**Q No4(a):**Solve the following division . Also rounding off your answer upto two decimal places. (65,339) ÷ 281

**(b):**Write each percentage as a fraction and reduce it to its lowest form.

i) 89 ii) 45

**Q No5:**Solve the following.

**(a):** 9.7 -{ 6.38 - ( 18.17 - 14.39)}

**(b):** {4+ ( 5 x 3)} -2

**Q No6:**Use DMAS rule to simplify the following expressions

(**a):** 10.01 x 3.5-6.881 (**b):** 7.41+{0.18+(6.29-4.81)}

**Q No7(a):**In a class of 44 pupils, are girls. How many girls are there altogether? How many boys?

**(b):**Solve the following

**Q No8(a):**Find the volume and capacity of the following figure.

6cm

5cm

10cm

**(b):**Find the area of

4m

5m