

AFSS CENTRAL EVALUATION SYSTEM

Central Assessment Team (CAT), HO Islamabad

1st Mid Term Examination 2017 – 18

MATHEMATICS - Class VII

50 marks 2 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-20 marks

Q No1: Fill in the blanks.

5/

- i) In _____ fraction, denominator is greater than the numerator.
- ii) Reciprocal of $\frac{7}{10}$ is _____.
- iii) Smallest fraction among $\frac{11}{12}$, $\frac{3}{4}$ and $\frac{5}{6}$ is _____.
- iv) $5\frac{6}{9}$ can be written in improper fraction as _____.
- v) The additive inverse of + 2 is _____.

Q No2: Write the place value

5/

- i) 9 in 101.95 _____ ii) 5 in 60.753 _____

• Compare and write < , > and = in the following blanks.

- iii) 0.957 _____ 0.912.
- iv) 11.39 _____ 13.19
- v) 0.9 _____ 0.94

Q No 3: Solve any five of the following short question.

2x5=10

- i) Arrange the fractions $\frac{4}{5}$, $\frac{21}{25}$, $\frac{31}{50}$, $\frac{9}{10}$ following fractions in descending order.
- ii) Evaluate : $6\frac{7}{12} - 3\frac{5}{8} + 5\frac{1}{4}$.
- iii) Calculate; $109.54 + 62.84 - 98.61$
- iv) Calculate: 317.82×6.5
- v) Divide 2.88 by 1.2
- vi) Calculate: $3\frac{3}{5} \div 1\frac{3}{25}$
- vii) Reduce the fraction $\frac{64}{216}$ into its simplest form.
- viii) Express the following set in set builder notation and tabular form.
Set of all prime numbers greater than 2. Type equation here.

SUBJECTIVE – 30 marks

Solve the following the following questions.

Q No1(a): A car travelled 150 and consumed $22\frac{1}{2}$ litres of fuel. How many kilometers did the car travel in 1 litre of fuel? 5/

b): Calculate $(1\frac{2}{3} \div 1\frac{7}{8}) + (\frac{8}{9} \div 16)$ 5/

Q No2(a): Represent the following information on Venn diagram, also find A^c and B^c . 5/

$U = \{ a, b, c, d, \dots, z \}$ $A = \{ a, b, c, \dots, j \}$ $B = \{ a, b, k, l, m, o, p \}$

b): If $A = \{ 1, 2, 3, 4, \dots, 10 \}$ $B = \{ 2, 4, 6, 8, 10 \}$, then verify the following

i) $A - B \neq B - A$ ii) $B \cap B^c = \emptyset$ 5/

Q No3: Simplify the following. 10/

i) $9\frac{4}{5} \times 3\frac{4}{7} \times \frac{1}{14}$ ii) $36 \div \frac{9}{10}$ iii) $925.75 + 178.32$