CADET COLLEGE PETARO

SYLLABUS OUTLINE

MATHEMATICS - VII

1. Sets.
2. Whole Numbers.
3. Factors and Multiples
4. Integers
5. Simplifications
6. Ratio and Proportion
7. Financial Arithmetic
8. Introduction to Algebraic
9. Linear Equations
10. Geometry
11. Perimeter and Area
12. Three Dimensional Solids
13. Information Handling

CLASS–VII
SAMPLE OF OMR ANSWER SHEET

CADET COLLEGE PETARO

ENTRY 2026 FOR ADMISSION TO CLASS VII

ANSWER SHEET

Name of Candidate (IN CAPITAL LETTERS)

GHULAM - MUHAMMAD

ROLL NUMBER

26-E- 2516

INSTRUCTIONS

1. This sheet should not be folded or crushed.
2. Use black ball point pen to record the answer.
3. Rough work must not be done on the answer sheet.
4. Please do not make any stray marks on the answer sheet.

WRONG MARKING

CORRECT MARKING

Darken one circle deeply for each question in the *ANSWER SHEET*, as faintly darkened, half darkened circle might be rejected by the Optical

CANDIDATE's Sign.

INVIGILATOR 's Sign.

SUBJECT : ENGLISH

1	A	**B**	C	D	11	A	B	C	**D**	21	A	**B**	C	D	31	A	B	**C**	D
2	A	B	**C**	D	12	A	B	**C**	D	22	**B**	B	C	D	32	A	**C**	C	D
3	A	**B**	C	D	13	A	B	**C**	D	23	A	B	C	**D**	33	A	B	C	**D**
4	A	B	C	**D**	14	A	**B**	C	D	24	A	B	**C**	D	34	**B**	B	C	D
5	A	B	**C**	D	15	A	B	**C**	D	25	A	B	**C**	D	35	A	**C**	C	D
6	A	B	**C**	D	16	**B**	B	C	D	26	A	**B**	C	D	36	A	B	C	**D**
7	A	**B**	C	D	17	**B**	B	C	D	27	**B**	B	C	D	37	A	B	**C**	D
8	**B**	B	C	D	18	A	**B**	C	D	28	A	B	C	**D**	38	A	**C**	C	D
9	**B**	B	C	D	19	A	B	C	**D**	29	A	**B**	C	D	39	**B**	B	C	D
10	A	B	**C**	D	20	A	B	**C**	D	30	A	B	**C**	D	40	A	B	**C**	D

Computerized Testing System

CADET COLLEGE PETARO

CLASS–VII

MODEL TEST PAPER

MATHEMATICS

Time: 1 Hour **Max. Marks: 100**

MARK CORRECT CHOICE BY FILLING IN THE APPROPRIATE BOX ON THE GIVEN ANSWER SHEET

SECTION-A (OBJECTIVE) [80 Marks]

Q.No. 1 Choose the correct answer for each from the given options.

1. Line segment AB is denoted by:

(A) $\overrightarrow{AB}$ (B) $\overleftrightarrow{AB}$ (C) $\overline{AB}$ (D) $\overrightarrow{BA}$

2. Bisector divided a line segment into _____ equal parts.

(A) Two (B) Three (C) four (D) five

3. An algebraic sentence involving the sign of equality " = " is called

(A) Equation (B) Expression (C) Algebraic Sentence (D) Identity

4. The word "percent" means out of _____.

(A) Terms (B) Hundred (C) Total value (D) None

5. To find the ratio between two quantities it is necessary that they must be of the _____ kind.

(A) Same (B) Different (C) Equal (D) Both (A) and (C)

6. In BODMAS, M stands for _____.

(A) Product (B) Multiplication (C) Both (a) and (b) (D) All of these

7. Sum of two negative integers is always _____ integer.

(A) Positive (B) Negative (C) Both (A) and (B) (D) none

8. Product of two non-zero numbers =

(A) LCM (B) HCF (C) HCF × LCM (D) None

9. The Predecessor of 1 in the set of whole numbers is_____.

(A) 3 (B) 1 (C) 2 (D) 0

10. The smallest natural number is _____.

(A) 0 (B) 1 (C) 100 (D) 3

11. If C is set of Prime numbers then,

(A) $4 \in C$ (B) $1 \in C$ (C). $0 \in C$ (D). None

12. The Numbers which are not divisible by 2 are called_____ Numbers

(A) Prime Number (B) Odd Numbers (C). Even Numbers (D). Whole Numbers

13. $6 \times 2 = 2 \times 6$, This Law is called_____

(A). Distributive law (B) Associative Law

(C). Commutative Law (D). N.O.T

14. The L.C.M of 24 and 36

(A) 36 (B) 72 (C) 24 (D) 102

15. Area of rectangle =_____

(A) $2\,(l \times b)$ (B) l^2 (C) $l \times b$ (D) $l \times b^2$

16. $-10 \_\_ -9$

(A) $<$ (B) $<$ (C) $=$ (D) $\neq$

17. An angle whose measure equals to 180

(A) acute (B) obuse (C) right (D) straight

18. A comparison of two quantities of the same kind

(A) proportion (B) ratio (C) denomenator (D) numerator

19. How many prime numbers are there between 1 and 20 ?

(A) 7 (B) 8 (C) 9 (D) 10

20. The product of the 2 largest digits number and smallest 2 digits number is:

(A) 900 (B) 990 (C) 999 (D) 1000

21. Which one is not an empty set?

(A) { } (B) $\emptyset$ (C) $\{\emptyset\}$ (D) none

22. Power of variable in linear equation is ____

(A) 0 (B) 1 (C) 2 (D) none

23. $\frac{3}{5}$ is not equal to _____

(A) 60% (B) $\frac{6}{10}$ (C) 0.666 .... (D) 0.6

24. 25% of Hassan's salary is Rs. 1250. Find his salary?

(A) 3000 (B) 4000 (C) 5000 (D) 6000

25. If A= {a , b , c , d } and B= {1,2,3,4 } then

(A) A=B (B) $A \in B$ (C) $A \subseteq B$ (D) $A \backsim B$

26. $2x + 1 = 11$ $then$ $x =$ _____

(A) 4 (B) 5 (C) 6 (D) 8

27. Area of a square with each side is 5 cm then its perimeter is ____ .

(A) 10 (B) 20 (C) 25 (D) 30

28. A ray has _____ end point/points.

(A) no (B) 1 (C) 2 (D) 3

29. A={2,4,5,6} and B ={0,7,8,9} then which one is not true ?

(A) $7 \in B$ (B) $6 \in A$ (C) $0 \in B$ (D) $8 \in A$

30. A triangle has _____ elements

(A) three (B) four (C) six (D) nine

31. If $2:5 = 8:x$ *then* $x =$_____

(A) 11 (B) 20 (C) 40 (D) 80

32. *The coefficient of* $-y^3$ *is* _____

(A) 1 (B) -1 (C) 3 (D) y

33. Odd whole numbers > 3 but < 9 are :

(A) 4, 5,6,7,8 (B) 5,7 (C) 3,5,7,9 (D) none

34. Like terms can be combined to give a _____ term/term.

(A) single (B) double (C) no (D) finite

35. Dividend, divisor , quotient and remainder are the parts of :

(A) addition (B) subtraction (C) multiplication (D) division

36. $9 \times 7 = 7 \times 9$ is _____ law of multiplication.

(A) commutative (B) *inverse* (C) multiplicative (D) associative

37. $6x \div 3 + 4y$ has --------term/ terms.

(A) 1 (B) 2 (C) 3 (D) 4

38. 75% students out of 40 were present in a test . How many students were absent?

(A) 10 (B) 15 (C) 20 (D) 25

39. $|-3| + |-5| =$

(A) 8 (B) -8 (C) 2 (D) -2

40. Ratio of 4 hours and 15 minutes in lowest form is:

(A) 10:1 (B) 14: 1 (C) 15:1 (D) 16: 1

SECTION-B [20 Marks]

NOTE: ATTEMPT ALL QUESTIONS.

Q. 2 Arif deposited $Rs\ 45800$ in his bank account. After a month he withdrew $Rs\ 3500$ from it. How much money was left in his account? [5 Marks]

Q.3 Simplify: (i) $3\frac{1}{2}+\left\{\left(10\frac{2}{5}-5\frac{1}{3}\right)\div 3\frac{2}{3}\right\}-1\frac{1}{5}$. [5 Marks]

$(ii)\ [x+x+(y+y+2x)]$.

Q.4 (a) Add: $12xy+3x+4y,\quad 5x+6y+8xy$ [5 Marks]

(b) Subtract: $x+3y+5z$ from $2x-15y-9z$.

Q.5 Construct a triangle XYZ in which $m\angle Z=90^0, m\overline{XY}=7\ cm,\ m\overline{XZ}=5cm$ [5 Marks]

***** THE END *****