A-PDF Watermark DEMO: Purchase Wrode Paper Mathematics Grades

General Instructions:

- 1) Write Roll Number in **digits**.(Figures) on Computerized Answer Sheet (The Sheet on which students mark the correct answer of objective questions). In the absence of your Roll No your scores would not be identified and allocated to you.
- 2) Read each question carefully before answering. Attempt all questions. There is no choice in questions.
- 3) Students are not allowed to take the Question Paper/Answer Sheet out of the Examination Centre.
- 4) Mark the correct option of MCQ with sign ☑ with a Black Ball Point, on the computerized answer sheet. If a student marks two or more boxes, or one sign ☑ touches two boxes or the sign ☑ is within two boxes without touching anyone, the computer will score ZERO for such questions.
- 5) Students are not allowed to mark in the boxes made against the open ended questions serial numbers. The teachers will score your questions and then mark your score in the related box. If any two boxes are marked then computer will give you ZERO mark. The example of an objective question is given below.

Exam	nl	۹	•
LAGIII	μ	c	•

1.	The symbol to express "number 10" in Roman Numeral system is.					
	(a) V	(b) M		(c) X		(d) L
Correct method	d to answer:					
	Q.1	(a) □	(b)	(c) ✓	(d) □	

Part-A (Multiple Choice Questions) Time Allowed: 1 hour 20 minutes

Instruction:- Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Mark correct option on computerized answer sheet.

Q. No.1. If (-101) + (101) = 0 then property of equality used, is:

(a) Reflexive Property
(b) Symmetric Property
(c) Transitive Property
(d) Additive inverse Property

Q. No.2. Approximate value of 4.236..... correct up to 2 decimal places is:

(a) 4.23 (b) 4.24 (c) 4.22 (d) 4.25

Q. No.3. An agent sold out an item in Rs. 20896 whose cost price was Rs. 21896, so he sold an item in (a) Profit (b) Loss (c) No Profit (d) No Loss

Q. No.4. If $U=\{1,3,5,7,9\}$ and $A=\{1,5,7\}$ the compliment of set A is: (a) $\{\ \}$ (b) $\{3,9\}$

(a) { 3,5} (c) {1,5,7} (d) {1,3,5,7,9}

Q. No.5. If in class interval "1---- 5 " data 2,3,2,4,5,4 lies then frequency of class interval is:
(a) 6 (b) 4 (c) 5 (d) 2

2 No. C. Clark (7.2.4.1.2) to a solution

Q. No.6. Set $A = \{5,3,4,1,2\}$ is equal to: (a) $\{1,2,3,4,4,5\}$ (b) $\{1,2,3,5\}$

(c) $\{1,3,2,4,5\}$ (d) $\{1,1,3,2,4,5\}$

Q. No.7. Square root of 121 is:

(a) 10 (b) 11 (c) 12 (d) 21

O. No.8.	Correct number written in binary system	(base-2) is:

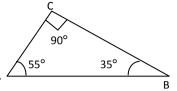
- (a) (101111)₂ (b) (11211)₂
- (c) (2110)₂
- (d) (12103)₂

Q. No.9. Set of first five natural numbers that are divisible by 2 and 5 is:

- (a) {10,20,30,40,50}
- (b) Set of first five natural numbers
- (c) {2,5,10,12,14}
- (d) {2,5,10,15,16}

Q. No.10. Pair of complementary angles in the given triangle is:

- (a) 55° , 90°
- (b) 35° , 90°
- (c) 90°
- (d) 55° , 35°



O. No.11. Aslam got an insurance policy of amount Rs.100,000 for 30 years. On Aslam's sudden death, his heirs received an amount in rupees, on which bonus amount was @ 4.2%. How much amount they received.

- (a) 4200
- (b) 104200
- (c) 100000
- (d) 142000

Q. No.12. Solution of
$$\sqrt{\frac{64}{25}}$$
 is:

- (a) $1\frac{1}{5}$ (b) $1\frac{3}{5}$
- (c) $3\frac{1}{5}$
- (d) $2\frac{2}{5}$

Q. No.13. Median of ungroup data 62,90,71,83,75 is:

- (a) 62
- (b) 71
- (c) 75
- (d) 90

Q. No.14. Select the solution of
$$(1000 - 7)^2$$

- (a) 993
- (b) 1986
- (c) 986049
- (d) 999951

O. No.15. Select the solution of $(3a+4)^2$

- (a) $9a^2 + 24a + 16$
- (b) 3a+12a+4
- (c) $6a^2+12a+8$
- (d) $9a^2 + 14a + 16$

Q. No.16. Solution of subtraction of
$$7 - x - x^2$$
 from $x^3 + x^2 + x - 4$ is:

(a) $x^3 + 3$

(b) $x^3 + x^2 + x - 4$

(c) $x^2 + 3$

(d) $x^3 + 2x^2 + 2x - 11$

Q. No.17. If $A = \{1,2,3,4,5\}$ $B = \{2,4,6,8,10\}$ then $A \cap B$ is:

(a) $\{1,2,3\}$

(b) $\{2,4,6\}$

(c) $\{2,4\}$

(d) $\{1,2,3,4,5\}$

- (a) 69.60
- (b) 50.50
- (c) 34.80
- (d) 23.20

Q. No.19. Solution of
$$x + 5 - (3x - \overline{2x - 3})$$
 is :

- (a) 8
- (b) 2
- (c) 3x + 4
- (d) 5x 2

Q. No.20. In the following frequency distribution table, frequency shown by tally mark correctly is:

C.I	Tally Marks	Frequency
15		8
610		3
1115		5

- (a) HUIII, III, IH
- (b) IIIIIII, III, IIIII
- (c) NI N, N, NI
- (d) IHHHI, III, IIIII

Q. No.21. If a line segment m \overline{AB} = 6cm is divided into ratio of 1:1 then length of each new line segment is

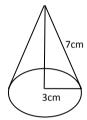
- (a) 6cm
- (b) 5cm
- (c) 3cm
- (d) 2cm

Q. No.22. In a right circular cone is of radius = 6cm, height = 4cm, then its volume will be:

- (a) $24.17cm^3$
- (b) $25.14cm^3$
- (c) $150.86cm^3$
- (d) 542.57cm³

Q. No.23. Curved surface area of given right circular cone is:

- (a) $21cm^2$
- (b) 66cm²
- (c) $10cm^2$
- (d) $200cm^2$



Q. No.24. Product of 2.25 and 1.3 is:

- (a) 4.000
- (b) 2.925
- (c) 3.550

Q. No.25. Mean of the data 10,8,6,8,8 is:

- (a) 32
- (b) 10
- (c) 8

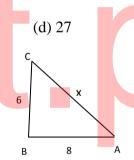
Q. No.26. In a given right angle triangle, value of x is:

(a) 10

(b) 14

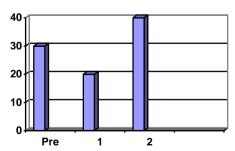
(c) 2

(d) 48



(d) 2.725

Q. No.27. Graph shows strength of students in each class of a school, total number of students in these classes are:



(a) 20

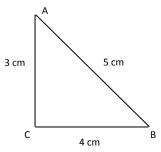
(b) 90

(c) 30

(d) 40

Q. No.28. Area of triangle of given vertices is:

- (a) $6cm^2$
- (b) $36cm^2$
- (c) $12cm^2$
- (d) $19cm^2$



Q. No.29.	Volume of spher	Volume of sphere of radius 6 cm is:					
	(a) $36\pi cm^3$	(b) $108 \pi cm^3$	(c) $200 \pi cm$	3 (d) 288 πc	m^3		
Q. No.30.	In the following	perfect square exp	ression the missi	ng term is:			
	()-1	2x+9					
	(a) $4x^2$	(b) $16x^2$	(c) x^2	(d) $2x^2$			
Q. No.31.	If value of Moto paid @ 10% is:	r cycle is Rs.54000	then in case of it	s insurance, amou	nt of first premiun	1	
	(a) Rs 540000	(b) Rs 5400	(c) Rs 540	(d) Rs 54	000		
Q. No.32.	If base area of c	one is 18 cm ² and it	ts height is 6 cm	then its volume is			
	(a) 108cm ³	(b) 36cm ³	(c) 6cm ³	(d) 3cm^3			
Q. No.33.	If written price (a) Rs 20	of an item is Rs 150 (b) Rs 1500 (c)	00 then commissi Rs 1575	on @ 5% on the i (d) Rs 75	tem is:		
Q. No.34.	If 4,8∈Q an (a) Trichotomy I (c) Multiplicati	* •	Q such that 4(- 3 (b) Transitive (d) Additive I	Property	used, is:		
Q. No.35.	Length of side o (a) 10.3	f a square of area 1 (b) 10.		.5 (d	10.6		
Q. No.36.	Five men have 2 between:	0 k <mark>g food sufficien</mark>	t for 7 da <mark>ys</mark> . In th	n <mark>i</mark> s st <mark>ate</mark> ment inve	rse proporti <mark>on</mark> exist	ts	
	(a) men and food	(b) food a	nd days (c) m	nen a <mark>nd</mark> days (d	men, food and day	ys	
Q. No.37.	Factorization of (a) (x+10) (x-2) (c) (x-10) (x-2)	(b)	(x-10) (x+2) (x+10)(x+2)				
Q. No.38.	Amount of incor of rebate is Rs 1	_	@ 10% whose an	nual income is Rs	125000 while amou	ınt	
	(a) Rs. 250	(b) Rs. 250	00	(c) Rs. 350	(d) Rs. 3500		
Q. No.39.	Number of class taken as 10	es formed from da	ta 45,65,80,96,80	,75,56,96,62,78 if	size of class interva	ıl is	
	(a) 5.1	(b) 51	(c) 10	(d) 6			
Q. No.40.	Value of y from	simultaneous linea	r equations 2x+3	y = 7, 2x + y = 3 is			
	(a) 1	(b) 4	(c) 2	(d) 8			