

Vidya Vikas Mandal's

Std : XI Ramacrisna Madeva Salgaocar Higher Secondary School Dur: 1 hr

Date : 8/08/2024

Margao – Goa

Marks : 20

First Mid Term Exam

Subject : MATHEMATICS AND STATISTICS

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1. The question paper consists of 8 questions .
  2. Question Numbers 1-2 are multiple choice type questions of 1 mark each.
  3. Question Numbers 3-4 are short answer type -I questions of 2 mark each.
  4. Question Numbers 5-6 are short answer type -II questions of 3 mark each.
  5. Question Numbers 7-8 are long answer type -1 questions of 4 mark each.
  6. There is no overall choice in the paper. However internal choice is provided in one question of 4 marks.
  7. Use of calculators is not permitted.
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1. If  $A'$  and  $B'$  are complements of sets A and B respectively, then  $(A \cup B)' = \dots\dots\dots$ .  
(A)  $A'$   
(B)  $B'$   
(C)  $A' \cup B'$   
(D)  $A' \cap B'$
2. The set of all first elements of the ordered pairs in a relation R from a set A to a set B is called  $\dots\dots\dots$ .  
(A) Domain of relation R  
(B) Range of relation R  
(C) Co-domain of relation R  
(D) Function
3. State and draw the modulus function graph.

8. Find the following transactions in the Journal Book of Mrs. Pooja Traders:

1.	1 <sup>st</sup> February 2023	Started business with cash of Rs. 10,00,000 and building costing Rs. 60,00,000.
2.	2 <sup>nd</sup> February 2023	open a bank account by depositing Rs. 50,000
3.	15 <sup>th</sup> February 2023	sold goods worth Rs. 40,000 on credit to Diksha Traders.
4.	18 <sup>th</sup> February 2023	Paid telephone bill Rs. 8000.
5.	21 <sup>st</sup> February 2023	purchased goods worth Rs. 40,000 less 10% trade discount from Mr. Raj.
6.	22 <sup>nd</sup> February 2023	sold goods Rs. 8000 for cash on 5% cash discount
7.	25 <sup>th</sup> February 2023	purchased goods from Tina for Rs. 1,00,000 plus CGST and SGST @ 12% each.

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