

Vidyasagar College For Women

Internal examination 2022

MTMG Semester-4

Full Marks: 10

Time: 30min

CU ROLL NO

CU REGISTRATION NO

- 1) Dimension of $W = \{(x,y,z) \in \mathbb{R}^3 \mid x + 2y - z = 0\}$ is
a) 1 b) 2 c) 3 d) 4

- 2) Which of the following is not an eigen value of $\begin{pmatrix} -2 & -4 & 2 \\ -2 & 1 & 2 \\ 4 & 2 & 5 \end{pmatrix}$?
a) 3 b) 0 c) -5 d) 6

- 3) What is x if $(11010)_2 - (1100)_2 = (x)_8$?
a) 14 b) 16 c) 1110 d) E

- 4) Three unbiased coins are tossed. What is the probability of getting at most two heads?
a) 7/8 b) 3/8 c) 1/8 d) 5/8

- 5) Which of the following is false?
a) 1 Byte=1024 Bits b) There are 5 generations of computers
c) ALU stands for Arithmetic Logic Unit d) none of these