

**M.E.S Vasant Joshi College of Arts & Commerce, Zuarinagar,
GOA-403726.
B.A./B.Com.(NEP) I Semester End Assessment(Regular/Repeat), October/November 2024
Computer Science (MC)
CSC-131: Emerging Trends in Computer**

Duration: 2 Hours

Marks: 60

Instructions:

- i) All questions are compulsory and figures to the right indicate full marks.
- ii) Questions of 2 marks to be answered in not more than 40 words.
- iii) Questions of 3 marks to be answered in not more than 60 words.
- iv) Questions of 5 marks to be answered in not more than 100 words.

Q. 1)	a) State the importance of AI. b) List the characteristics of Big Data. c) Define Microprocessor. d) Describe the concept of IoT Device. e) State the characteristics of Cloud Computing. f) Describe the Characteristics of Blockchain.	6 x 2=12
Q. 2 A)	(i) Describe the components of AI. (ii) Describe the different stages of BI.	3 2
	<u>OR</u>	
Q. 2 A)	(iii) Describe the various Types of Crypto currencies. (iv) Mention the disadvantages of Cloud Computing.	3 2
Q. 2 B)	(i) Describe the components of Embedded Systems. (ii) Outline the benefits of Big data.	5 2
Q. 3 A)	(i) Discuss the benefits of BI. (ii) Discuss the need of AI in Health care.	3 2
	<u>OR</u>	
Q. 3 A)	(iii) Discuss various Functional blocks of IoT. (iv) Describe some notable trends in cloud computing.	3 2
Q. 3 B)	(i) Discuss the challenges associated with Big data. (ii) Explain the importance of Cryptocurrency.	5 2
Q. 4 A)	(i) Discuss various service models of cloud computing. (ii) State the Societal benefits of IoT.	3 2
	<u>OR</u>	
Q. 4 A)	(iii) Discuss the role of blockchain technology in financial systems. (iv) Explain Embedded Processor.	3 2
Q. 4 B)	(i) Describe the need of AI in Real life. (ii) Explain disadvantage of BI.	5 2
Q. 5 A)	(i) Determine the need of IoT in addressing environmental issues. (ii) Categorize applications of NLP	3 2
	<u>OR</u>	
Q. 5 A)	(iii) Write a note on developing a holistic cloud computing reference model. (iv) Distinguish between public and private blockchains.	3 2
Q. 5 B)	(i) Differentiate between General processors in computer and embedded systems. (ii) Point out applications of Big data in Business.	5 2