

**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) Define Machine Learning. b) Define Business Intelligence. c) Describe IoT. d) Describe components of Embedded Systems. e) State some notable trends in cloud computing. f) Define Blockchain Technology.	6 x 2=12
Q. 2 A)	(i) State a wide range of tasks and applications of NLP. (ii) State the benefits of Business Intelligence.	3 2
	OR	
Q. 2 A)	(iii) Describe basic Personal Crypto Security. (iv) List the disadvantages of Cloud Computing.	3 2
Q. 2 B)	(i) Describe various Functional blocks of IoT. (ii) Describe stages of BI.	5 2
Q. 3 A)	(i) Distinguish between BI and Big data. (ii) Describe applications of Machine Learning.	3 2
	OR	
Q. 3 A)	(iii) Explain the characteristics of Embedded Systems. (iv) Explain SaaS.	3 2
Q. 3 B)	(i) Explain various characteristics of Big Data. (ii) Describe various Types of Cryptocurrencies.	5 2
Q. 4 A)	(i) Explain Cloud computing architecture. (ii) Compare IoT devices with computers.	3 2
	OR	
Q. 4 A)	(iii) Describe Security Best Practices. (iv) Explain Real time embedded systems.	3 2
Q. 4 B)	(i) Explain the need of AI applications in Education. (ii) Explain the need of BI.	5 2
Q. 5 A)	(i) Illustrate the need of IoT Home Automation. (ii) Write the applications of NLP in real life.	3 2
	OR	
Q. 5 A)	(iii) Write a note on developing a holistic cloud computing reference model. (iv) Illustrate the role of e-Wallets that securely manage Cryptocurrency.	3 2
Q. 5 B)	(i) Differentiate between General processors and embedded processors. (ii) Identify applications of Big data in business.	5 2