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Common Course Papers (Multi Courses)

2025-12-17

INTRODUCTION TO EMERGING TECHNOLOGIE

SRM UNIVERSITY A.P

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SRM UNIVERSITY – AP, ANDHRA PRADESH

End Term Examination, Dec 2025

[Question Paper ID: 010911]

Subject	: INTRODUCTION TO EMERGING TECHNOLOGIES	Subject	: FIC 137
Title		Code	
Batch	: 2025	Max Marks	: 50
Degree	: B.B.A, B.Com	Duration	: 2 hours
Branch	: BBA, Com.	QP Set	: 2

SECTION A (10 × 3 = 30 Marks)

Answer **all** Questions

	Marks	CO	BL
1. What are the drivers of Technological Change?	3	1	1
2. What are different types of AI? List 3 potential usage of each.	3	2	1
3. What is difference between Cloud Computing & Edge Computing?	3	1	2
4. Explain the Difference between Private Blockchain and Public Blockchain	3	1	2
5. Discuss any 3 usage of Blockchain	3	2	1
6. Explain the difference between 2D vs 3D vs VR vs 360 video.	3	1	2
7. What are the different types of robots?	3	1	1
8. What do you mean by Autonomous Vehicles? List down any 6 core features of ADAS.	3	1	1
9. Explain the major advantages of sustainable technologies with suitable examples.	3	2	5
10. Explain how biotechnology contributes to environmental protection and waste management.	3	2,3	5

SECTION B (4 × 5 = 20 Marks)

Answer **all** Questions

	Marks	CO	BL
11. What is Generative AI. Give 4 areas of in which Generative AI is uses. What is difference between Unimodal and Multi Modal Generative AI.	5	1,2	2
12. Explain the Building Blocks of Blockchain.	5	1	5
13. Discuss with example the different Types of AR.	5	1,2	2
14. AutoNova Ltd., an automobile manufacturer in Pune, recently adopted Digital Twin technology to improve its production efficiency. A Digital Twin is a virtual replica of a physical object or system — in this case, AutoNova created digital models of its car engines and assembly lines.			

These digital twins collect real-time data from sensors installed in the factory, allowing engineers to simulate performance, detect faults early, and predict maintenance needs before a real breakdown occurs. As a result, AutoNova has reduced machine downtime

by 25% and improved product quality. However, the company struggles with data security, high implementation costs, and training employees to use the technology effectively.

5 3,4 3

Analyze the above case and answer the following:

- a) Explain in your own words what a Digital Twin is and how AutoNova is using it.
- b) Discuss two key challenges the company faces and suggest possible solutions.

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