PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(First Semester)

Branch – **COMPUTER SCIENCE**

METAVERSE – NEAR FUTURE TECHNOLOGIES

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which technology provides decentralized ownership of digital assets in the Metaverse? a) Artificial Intelligence b) Blockchain c) Augmented Reality d) Virtual Reality	K1	CO1
	2	Which hardware is most essential for VR experiences? a) Head-mounted display (HMD) b) Blockchain node c) Cloud server d) Smartphone	K2	CO1
2	3	Decentralization removes the need for____. a) Users b) Central intermediaries c) VR headsets d) Internet	K1	CO2
	4	Cryptocurrencies in the Metaverse are used for _____. a) Browsing internet b) Physical bank payments c) VR headset upgrades d) Buying/selling virtual land, NFTs, and services	K2	CO2
3	5	Which platform is known for hosting virtual meetings in Metaverse? a) Microsoft Mesh b) Zoom c) Facebook Messenger d) Skype	K1	CO3
	6	Ethical AI use in Metaverse requires _____. a) Transparency, fairness, and accountability b) Centralized control of all avatars c) Removing user creativity d) Ignoring identity management	K2	CO3
4	7	ChatGPT supports career growth because it _____. a) Blocks communication b) Works only offline c) Automates repetitive tasks and enhances creativity d) Removes the need for skills	K1	CO4
	8	Google Bard differs from ChatGPT because _____. a) It is directly connected to Google Search for real-time info b) It cannot access the web c) It only supports gaming d) It is built for VR platforms	K2	CO4
5	9	Which component of a drone provides lift for flying? a) Camera b) GPS c) Battery d) Propellers	K1	CO5
	10	Which industry first popularized drones for commercial use? a) Agriculture b) Military/Defense c) Education d) Travel	K2	CO5

SECTION - B (35 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain about technologies involved in the Metaverse.	K4	CO1
		(OR)		
	11.b.	Examine the Virtual Reality and its benefits.		
2	12.a.	Illustrate the need of Decentralization in MV.	K4	CO2
		(OR)		
	12.b.	Identify the concept of Twitter and NFT.		
3	13.a.	Summarize the e-commerce in Metaverse.	K5	CO3
		(OR)		
	13.b.	Criticize the AI Collaboration in Creative AI.		
4	14.a.	Summarize the Bible the ultimate guide to chatGPT mastery.	K5	CO4
		(OR)		
	14.b.	Explain about access Google BARD. Compare Google bard Vs Chat GPT.		
5	15.a.	Outline the functional aspects of Drone.	K6	CO5
		(OR)		
	15.b.	Summarize the application of Drone technology.		

SECTION -C (30 Marks)
Answer ANY THREE questions
ALL questions carry EQUAL Marks   (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Illustrate the Blockchain identity management in Metaverse.	K4	CO1
2	17	Explain about Smart contract capabilities in Blockchain.	K4	CO2
3	18	Criticize the Generative adversarial networks (GAN) and Human.	K5	CO3
4	19	Summarize the working principles of Google Bard.	K5	CO4
5	20	Outline the components of Drone.	K6	CO5

Z-Z-Z   END