999

142

November 2022

Time – Three hours
(Maximum Marks: 100)

N.B.
1. Answer any 5 Questions under Part-A. Each question carries 3 Marks.
2. Answer any 5 Questions under Part-B. Each question carries 5 Marks.
3. Answer any 4 Questions under Part-C. Each question carries 15 Marks.

PART – A

1. What is Immersive Technology?
2. What are 3 basic primitives available for modelling?
3. What is AR and VR technology and the difference between AR and VR technology?
4. Explain the difference between Mixed Reality & Augmented reality?
5. What is Blender?
6. Give 3 examples of AR Apps and explain their uses.
7. Define Video Game
8. What is LAN ?

PART – B

1. What is 3D Modelling?
2. Explain Interactive Applications
3. What is WiFi and explain the various applications of WiFi?
4. List and explain the two types of Computer generated graphics.
5. State 5 industries using AR VR and MR with their use cases?
6. Define the different types of Augmented Reality?
7. Explain 3 Data types used in programming.
8. What is Haptics?

PART – C

1. Explain the architecture of computers with a diagram.
2. List and explain the various elements of Multimedia.
3. Explain the process to create an AR application using Vuforia and Unity.
4. Write the process involved to create addition of two numbers in Unity and also write the scripts that will be involved.
5. Describe Virtual Reality, its uses and explain the process of VR development
6. Explain the different types of lights in Unity and how we can set up a level in Unity.
7. Explain the different types of wired & wireless network used today in the world

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