Degree: BTECH   Semester: 7 SEM
MID-SEMESTER EXAMINATION, September 2024

Course Title: AUGMENTED REALITY
Course Code: COCSE57

Duration: 1:30 Hours

Max. Marks: 15

Note- Attempt all questions in the given order only. Missing data/information (if any) may be suitably assumed & mentioned in the answer.

Q. No.	Question	Marks	CO
1a	Write a comprehensive explanation of the continuum that exists between the real world and the virtual world.	1.5	2
1b	Explain how augmented reality (AR) functions. Also write how they work together to create a seamless integration of virtual elements with real-world environments.	1.5	1
2a	Describe the various types of devices and components that are essential for delivering AR experiences. Explain how each component contributes to the functionality of AR.	1.5	3
2b	Write in-depth analysis of the essential elements that constitute an augmented reality (AR) experience. How these ingredients interact to blend digital content with the real world and contribute to a seamless and immersive user experience.	1.5	1
3a	Explain concise overview of the concept of augmented reality (AR)? Briefly outline the key applications of AR in various fields.	1.5	2
3b	Explain the architecture underlying augmented reality (AR) systems, including a description of its core components?	1.5	3
4a	Describe the fundamental differences among these three immersive technologies: Augmented Reality, virtual Reality and mixed Reality.	1.5	1
4b	Describe what haptic displays are and how they work to provide tactile feedback to users. Also explore the potential applications and benefits of haptic display technology.	1.5	3
5a	Describe each type of display: Audio display and Visual display in terms of its core functionality and how it conveys information to the user.	1.5	4
5b	Describe what a spatial display model and also discuss the different types of spatial displays.	1.5	2