



		<b>UNIT - II</b>			
3	a)	Discuss GOMS model	CO1	PO1	5
	b)	Analyse the following code with GOMS model. GOAL: ICONIZE-WINDOW .        [SELECT GOAL: USE-CLOSE-METHOD .                .    MOVE-MOUSE-TO-WINDOW-HEADER .                .    POP-UP-MENU .                .    CLICK-OVER-CLOSE-OPTION .                GOAL: USE-L7-METHOD .                .    PRESS-L7-KEY1  The dots are used to indicate to indicate the hierarchical level of goals.	CO1	PO1	5
	c)	Create a GOMS description of the task of photocopying an article from a journal. Discuss the issues of closure in terms of your GOMS description.	CO1	PO1	10
		<b>OR</b>			
4	a)	What is cognitive complexity theory? Explain this theory with CCT production rules.	CO1	PO1	10
	b)	Discuss the pros and cons of the following i.        BNF    ii. Task-Action Grammar	CO1	PO1	10
		<b>UNIT - III</b>			
5	a)	Discuss the evolution of AR.	CO2	PO2	6
	b)	Discuss any 4 applications of AR.	CO2	PO2	6
	c)	Identify, why the following examples are not AR, Justify your answer in one sentence. i.        Pre Recorded Video ii.       Looking at a 3D model displayed on your computer screen, unrelated to the physical world. iii.      Head-Up Displays (HUDs) in Cars. iv.       Snapchat Filters That Only Modify the Face v.        3D Cinema vi.       A hologram of an object projected into mid-air, independent of the environment. vii.      Google Earth on desktop.	CO2	PO2	8
		<b>OR</b>			
6	a)	Discuss image formation in Pin –whole camera with neat diagram.	CO2	PO2	6
	b)	Define Transformation. Explain Expanding and shrinking with neat diagram.	CO2	PO2	6
	c)	Explain the following with matrices. i.        Cartesian Coordinate system. ii.       Homogeneous coordinate system.	CO2	PO2	8

			<b>UNIT - IV</b>			
	7	a)	Discuss POIST algorithm. Explain pose estimation with Homography with neat diagram and derivation.	CO2	PO2	<b>10</b>
		b)	Image is captured by the camera with a resolution of 900x780 write the intrinsic matrix.	CO2	PO2	<b>10</b>
			<b>OR</b>			
	8	a)	Discuss the camera calibration using Direct Linear Transformation.	CO2	PO2	<b>10</b>
		b)	Discuss the Camera calibration using a 2D pattern.	CO2	PO2	<b>10</b>
			<b>UNIT - V</b>			
	9	a)	List & explain core game components relating to Unity UI development. And write a step involved to Display a "hello world" UI text message.	CO3	PO3	<b>10</b>
		c)	With neat diagram, Explain the Rect Transform Anchor presents panel when Shift and Alt pressed.	CO3	PO3	<b>10</b>
			<b>OR</b>			
	10	a)	With illustrations, explain creation of UI button to reveal an image.	CO3	PO3	<b>10</b>
		b)	With a neat diagram and code explain displaying a radar to indicate relative locations of objects.	CO3	PO3	<b>10</b>

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