Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec– 2017**

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|  |  |  |  |
| **Code :** | **14VC3001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **3D VIDEO AND GRAPHICS** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | Discriminate the characteristics of a cyclopean eye with that of a binocular eye | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Categorize the Perception of depth properties in 3D Perspective | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | Criticize the H.264 Video Profile, encoding and signaling | CO2 | 20 |
| (OR) | | | | |
| 4. | a. | Compare the different types of volumetric profile. | CO2 | 20 |
|  |  |  |  |  |
| 5. | a. | Distinguish between the various types of special lenses available for 3D Viewing | CO2 | 20 |
| (OR) | | | | |
| 6. | a. | Appraise the factors involved in shooting of 3D Video using a multi camera setup. | CO2 | 20 |
|  |  |  |  |  |
| 7. | a. | Design a 3D setup plan of a theatre in which you want to illustrate subjective visualization to the characters. Illustrate the factors which have to be considered in this process. | CO3 | 20 |
| (OR) | | | | |
| 8. | a. | Demonstrate the different types of 3D displays available for 3D Viewing | CO2 | 20 |
|  |  |  |  |  |
|  | | Compulsory: |  |  |
| 9. | a. | Compare the viewing pattern difference in terms of 2D and 3D Video and Graphics | CO3 | 20 |

ALL THE BEST