

**2021/TDC(CBCS)/EVEN/SEM/  
BVOGEC-601T/039**

**TDC (CBCS) Even Semester Exam.,  
September—2021**

**B. VOC (IT)**

**( 6th Semester )**

**Course No. : BVOGEC-601T**

**( Multimedia )**

Full Marks : 70

Pass Marks : 28

**Time : 3 hours**

*The figures in the margin indicate full marks  
for the questions*

**Answer one question from each Unit**

**UNIT—I**

1. (a) What is multimedia? Write down the main properties of multimedia system. 10
- (b) Explain isochronous transmission mode. 4
2. Explain the classification of media with respect to different criteria. 14

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UNIT—II

3. What is image recognition? Explain the different steps of image recognition. 14
4. (a) Briefly explain image synthesis. 6
- (b) Define computer based animation. What are the different stages of computer based animation? 8

UNIT—III

5. (a) Write short notes on the following : 10
- (i) H.261
- (ii) MPEG
- (b) Briefly explain communication architecture. 4
6. (a) Define multimedia workstation. What are the main components of multimedia workstation? 10
- (b) Distinguish between digital system and hybrid system. 4

UNIT—IV

7. (a) Define process management. Write down the different states of process management. 8

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- (b) Explain preemptive vs. non-preemptive task scheduling. 6
8. (a) Explain the processor utilization of the rate monotonic algorithm. 8
- (b) Define (i) ARTS and (ii) YARTOS. 6

UNIT—V

9. What do you mean by synchronization? Explain interval-based synchronization specification. 14
10. (a) Explain synchronization reference model. 10
- (b) Write a short note on Lip synchronization requirements. 4

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