

**322842(22)**

**B. E. (Eighth Semester) Examination,  
April-May 2021  
(New Scheme)**

**(CSE, IT Engg. Branch)**

**DISTRIBUTED MULTIMEDIA**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 28***

- Note :** (i) *Each unit contains four questions. Part (a) of each unit is compulsory. Attempt any two parts from (b), (c) and (d) of each unit.*
- (ii) *The figures in the right hand margin indicate marks.*

**Unit-I**

1. (a) What are the types of distributed system? 2

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- (b) What do you mean by Image and Still video store?  
Explain in details with example. 7
- (c) What is service agent? Explain with example object  
directory service agent, component service agent  
and user interface service agent. 7
- (d) With neat and labelled diagram explain clients in  
distributed work group computing. 7

### Unit-II

2. (a) What are the difference between traditional and  
extended LAN's? 2
- (b) What are the types of multimedia server? Explain in  
details. 7
- (c) Write short technical notes : 7
- (i) Write once read many optical disks  
(ii) Optical disk library
- (c) Write a detailed note on Network Performance  
issue. 7

### Unit-III

3. (a) What is object definition? 2

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- (b) Write a detailed note on transaction management  
for multimedia system. 7
- (c) What is inter server communication? With neat and  
labelled diagram explain object server architecture  
and object directory services. 7
- (d) Write short technical notes :  
(i) Multimedia object retrieval  
(ii) Object Migration Schemes 7

### Unit-IV

4. (a) What is Key deliverables? 2
- (b) What do you understand by technology assessment?  
Explain with labelled diagram Business information  
model. 7
- (c) What is feasibility? Explain with neat and labelled  
diagram current architecture of systems. 7
- (d) Write short technical notes :  
(i) Impact of Performance issues on design  
(ii) Performance analysis and Monitoring 7

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**Unit-V**

5. (a) What do you understand by system extensibility? 2
- (b) What is multimedia system design? Explain with neat and labelled diagram system design methodology. 7
- (c) What is storage management? Explain about Access Management and optimization of storage distribution. 7
- (d) Write short technical notes : 7
- (i) Object oriented multimedia system
  - (ii) System design analysis