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Question Paper Code : 95320

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Eighth Semester

Software Engineering

ESE 082 — MULTIMEDIA SYSTEMS

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Why synchronization is required for multimedia system?
2. What is meta- scheduling?
3. Compare and contrast distributed systems and multimedia systems.
4. What is color fringing? How is it being caused?
5. Which are the parameters determining picture quality?
6. When does a synchronization anomaly occur? How is it handled?
7. What are virtual resource? Why is it needed?
8. Differentiate single server and co server.
9. What are the QoS management needed for media application?
10. List the barriers for widespread use and success of authoring and presentation system.

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail the framework of multimedia system.

Or

- (b) Discuss in detail QoS architecture.

12. (a) Discuss in detail the various forms of digital representation of sound.

Or

(b) Explain various color video format.

13. (a) Explain the conceptual models that describe temporal information necessary to represent multimedia synchronization.

Or

(b) Discuss the various video compression techniques with suitable diagrams.

14. (a) Explain the various supports rendered for media by new OS.

Or

(b) Discuss in detail multimedia system services for client interaction.

15. (a) Explain various data models for multimedia and hypermedia information.

Or

(b) Discuss in detail system layered architecture for distributed media control system.