



**Code: 9D06202**

M.Tech II Semester Supplementary Examinations January/February 2017

**HI-SPEED NETWORKS**

(Common to DSCE & DECS)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) With respect to network services explain:  
(i) Telephone service. (ii) Electronic mail. (iii) Streamed audiovisual services.  
(b) Explain briefly OSI reference model.
- 2 (a) Explain evolution of ISDN.  
(b) With neat diagram, explain B-ISDN architecture.
- 3 (a) Explain briefly packet switching and frame relay operation.  
(b) Explain characteristics of frame mode bearer services.
- 4 (a) Explain briefly BISDN reference model.  
(b) Explain briefly QOS parameters in ATM.
- 5 (a) Explain blocking phenomenon.  
(b) Explain briefly three stage class networks.
- 6 (a) Explain folding algorithm.  
(b) Discuss ATM addressing.
- 7 (a) List the chief characteristics of the ABR service.  
(b) Explain briefly PNNI routing.
- 8 Write a short notes on:  
(a) TCP application services.  
(b) QOS in IP networks.

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