



MONAD UNIVERSITY
ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Established by UP State Govt. Act. No. 23 of 2010, & U/S 2(f) of UGC Act. 1956
N.H-24, Delhi Hapur Road, District Hapur-245101, (U.P.) India
www.monad.edu.in

Programme:-B.Tech. (EC) – VIIth Sem
Course:- Optical Communication (EEC-471)

Assignment No:- 1

Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, programme and Enrolment No. clearly at the top of this page.

Q.1

- (a) Explain Optical fiber communication.
- (b) What are the differences between Step and Graded Index fibers?

Q.2

- (a) Describe Attenuation measurements techniques.
- (b) Explain Optical fiber Connectors.



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Programme:-B.Tech. (EC) – VIIth Sem

Course:- Data Communication Network (EEC-472)

Assignment No:- 1

Due date of submission: 11.09.2017

Instructions

4. Write the responses to the assignment in your own handwriting.
5. Submit the responses to your HOD within the due date.
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Q.1

- (a) As you know about Networks & Data Communications then define the OSI Model and TCP/IP with the help of diagram.
- (b) You are aware about transmission media then write the difference between guided and unguided Media.

Q.2

- (a) You know about Communication Networks then define the application and advantages of Data Communications Network.
- (b) Define error in data communication network and explain the process of Error detection and Correction in data communication network.



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Programme:-B.Tech. (EC) – VIIth Sem
Course:- VLSI Design (EEC-473)

Assignment No:- 1

Due date of submission: 11.09.2017

Instructions

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Q.1

- (a) Define Regularity, Modularity and Locality.
- (b) Sketch and explain MOS system under external bias.

Q.2

- (a) Explain Scaling.
- (b) Sketch and explain Switching Characteristics of CMOS.



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Programme:-B.Tech.(EC) – VIIth Sem

Course:- Operation Research (EEC-474)

Assignment No:- 1

Due date of submission: 11.09.2017

Instructions

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Q.1

- (a) As you are aware of the Operations Research, explain the scope of Operations Research.
- (b) Define linear programming problem with examples.

Q2.

- (a) As you are aware of the transportation problems, write down the names of the transportation methods.
- (b) What are the assignment problems, define with an example?



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Programme:-B.Tech. (EC) – VIIth Sem
Course:- Satellite Communication (EEC-475)

Assignment No:- 1

Due date of submission: 11.09.2017

Instructions

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2. Submit the responses to your HOD within the due date.
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Q.1

- (a) Explain the elements of Satellite Communication.
- (b) Sketch and explain geostationary satellite.

Q.2

- (a) Explain VSAT.
- (b) What are downlink and uplink designs?