



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

Program:-B.Tech (EC) - VIII Sem
Course: Non Conventional Energy Resources (EEC-481)

Assignment No: 2

Due date of submission: 20.04.2018

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 the Principle of working of MHD Power plant.
- b) Sketch and explain Fuel Cells.

Q.2

- a) Explain availability of Bio-mass and its conversion theory.
- b) Explain Ocean Thermal Energy Conversion system.



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Program:-B.Tech (EC) - VIII Sem
Course: Optical Network (EEC-482)

Assignment No: 2

Due date of submission: 20.04.2018

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Q.1

- a) You know about the optical sources then explain the structure and light source materials of LED.
- b) You know about the laser modulation then explain single mode laser modulation of laser diodes.

Q.2

- a) I know you are aware about photo detectors then explain the principles of photodiodes.
- b) I know you are aware about the performance of digital receiver then explain the error probability of receiver.



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Program:-B.Tech (EC) - VIII Sem
Course: Wireless Mobile Communication (EEC-483)

Assignment No: 2

Due date of submission: 20.04.2018

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Q.1

a) You know the Equalization Techniques then explain adaptive equalizers, zero forcing equalizers and decision feedback equalizers.

b) I know you are aware about ALOHA then explain Pure ALOHA and Slotted ALOHA with example.

Q.2

a) I know you are aware about multiple accesses then explain FDMA, TDMA, CDMA, OFDMA, SC-FDMA, IDMA Schemes with example.

b) I know you are aware about GSM system for mobile Telecommunication then explain General Packet Radio Service, Edge Technology and CDMA Based Standards: IS 95 to CDMA 2000.



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Program:-B.Tech (EC) - VIII Sem
Course: Electronic Switching (EEC-484)

Assignment No: 2

Due date of submission: 20.04.2018

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Q.1

- a) Explain Reliability, availability and security.
- b) Sketch and explain Packet Switching.

Q.2

- a) What is ATM cell? Explain it.
- b) Explain the Banyan network switch.