

Question Paper

Exam Date & Time: 22-Nov-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF ENGINEERING - ME (INTERNET OF THINGS) IoT Networks and Protocols [IOT 605]

Marks: 100

Duration: 180 mins.

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018

Answer all the questions.

- 1) With neat diagrams, explain the functional block of IoT. (10)
- 2) Explain different Communication API's in IoT. (10)
- 3) Discuss the IoT Design Methodology. (10)
- 4) Describe the NRZ and Bipolar Encoding Techniques (10)
- 5) Explain Data Link Control and Protocols in Data Link Layer. (10)
- 6) Describe the basic Network Routing Techniques (10)
- 7) With neat diagrams, explain UDP Header. (10)
- 8) Explain the SMTP protocol with an example. (10)
- 9) Explain the CoAP protocol with an example. (10)
- 10) Explain the features of IPv6. Also explain the different address types in IPv6. (10)

-----End-----