



MANAV RACHNA
विद्यया ऽमृतमश्नुते

MANAV RACHNA
UNIVERSITY

FORMERLY MANAV RACHNA COLLEGE OF ENGINEERING
NAAC ACCREDITED A GRADE INSTITUTION

Declared as State Private University under section 21 of the UOC act, 1956

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

"T1 Examination, AUG-2018"

Semester: 5th

Subject: Computer Networks

Branch: CSE

Course Type: Core

Time: 90 Minutes

Program: B. Tech

Date of Exam: 29/08/18

Subject Code: CSH318-T

Session: I

Course Nature: Hard

Max.Marks:30

Signature: HOD/Associate HOD: *Handwritten signature*

Note: Part A: All questions are compulsory. Each Question carries 2 marks. Part B: Attempt any two questions. Each Question carries 10 marks.

PART-A

- Q1. (a) Identify the five components of Data Communication System. Explain briefly.
(b) Define Line coding. Represent "10011010" in Unipolar, RZ and NRZ form.
(c) Compare LAN and WAN based on various parameters.
(d) Why are Protocols and Standards needed? What are the two categories of Standards?
(e) What is the difference between a Physical address, Logical address and Port address?

PART-B

- Q2. Name the four basic Network topologies and cite an advantage of each type. And also discuss the consequences if a connection fails when
a) Five devices are arranged in Mesh topology
b) Five devices are arranged in Star topology (not counting the hub)
c) Five devices are arranged in Bus topology
d) Five devices are arranged in Ring topology
- Q3. Compare the OSI and TCP/IP model in detail.
- Q4. Discuss the basic components of a Network. Explain the Interconnection devices on various layers in detail.

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

"T1 Examination, AUG-2018"

Semester: 5th

Subject: Mobile Computing with Android

Branch: CSE

Course Type: Core

Time: 90 Minutes

Program: B.Tech


Date of Exam: 04/09/18

Subject Code: CSH319-T

Session: I

Course Nature: Hard

Max. Marks: 30

Signature: HOD/Associate HOD: 

Note: Part A: All questions are compulsory. Each Question carries 2 marks. Part B: Attempt any two questions. Each Question carries 10 marks.

PART-A

- Q1. (a) Which class is building block for all UI controls in Android?
(b) List various layouts present in Android.
(c) What is Android Manifest file?
(d) List features of Android.
(e) List functions of Media Player Class in Android.

PART-B

- Q2. (a) What is an Activity? Explain Activity Life Cycle. (2+3)
(b) Discuss basic building block of an Android Application. (5)
- Q3. (a) Write a XML code to implement Frame Layout by including an Image and Text view. (5)
(b) Write a program to implement button event on layout to toast a message and change the background color of layout as red. (5)
- Q4. (a) What is Intent? Write difference between Implicit and Explicit Intent. (5)
(b) Write a program to pass the text of Text View on Activity 1 to Text View on Activity 2 on button click on Activity 1. (5)
