



ID NO.	
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PRESIDENCY UNIVERSITY, BENGALURU
SCHOOL OF ENGINEERING

Weightage: 40 %

Max Marks: 80

Max Time: 2 hrs.

11 May 2018, Friday

ENDTERM FINAL EXAMINATION MAY 2018

Even Semester 2017-18

Course: **CSE 304 Mobile
Communications**

VI Sem. CSE

Instructions:

- (i) *Read the question properly and answer accordingly.*
 - (ii) *Question paper consists of 3 parts.*
 - (iii) *Draw necessary diagrams*
-

Part A

(5 Q x 4 M = 20 Marks)

1. List down the basic elements of wireless communication
2. Define modulation, list out various modulation methods
3. Differentiate IMSI and IMEI numbers
4. Discuss the role of Auc (Authentication Centre) in GSM architecture
5. Examine the reasons for mobile phone handover

Part B

(3 Q x 10 M = 30 Marks)

6. Identify the causes of transmission loss
7. Explain how SMS Gateways are useful in administering message exchange
8. Discuss the limitations of mobile phones compared to PC

Part C

(2 Q x 15 M = 30 Marks)

9. Illustrate and explain the working of Mobile IP with neat diagram
10. Discuss the basic working and design of Sensor networks



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Weightage: 20%

Max Marks: 40

Max Time: 1 hr.

28 March Wednesday 2018

TEST – 2

SET A

Even Semester 2017-18 Course: **CSE 304 Mobile Communications**

IV Sem. CSE

Instruction:

- (i) Read the question properly and answer accordingly.
 - (ii) Question paper consists of 3 parts.
 - (iii) Include necessary diagrams in the answers
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Part A

(4 Q x 4 M = 16 Marks)

1. Discuss the disadvantages of Infrared communication
2. Differentiate Ad-Hoc Network and Infrastructure based network
3. Illustrate the role of SMSC in exchanging messages
4. Describe the type of communication used in the Walky talkie

Part B

(2 Q x 7 M = 14 Marks)

5. Draw and explain the architecture of how an RFID tag can be used to monitor the presence of a student on campus and send SMS to parents
6. Describe the four steps involved in identifying the location using GPS

Part C

(1Q x 10 M = 10Marks)

7. Explain the requirement of Mobile IP and its implementation with necessary diagrams



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Max Time: 1 hr.

20 Feb Tuesday 2018

TEST – 1

Even Semester 2017-18 Course: **CSE 304 Mobile Communications**

IV Sem. CSE

Instruction:

- (i) Read the question properly and answer accordingly.
 - (ii) Question paper consists of 3 parts.
-

Part A

(4 Q x 4 M = 16 Marks)

1. Represent a signal in diagram along with its parameters
2. Which are the various attributes of a SIM card
3. Discuss the different reasons for path loss during signal propagation
4. Define modulation and also explain Frequency Shift Keying

Part B

(2 Q x 7 M = 14 Marks)

5. Explain the procedure of Handover with necessary diagrams
6. Describe Bluetooth communication with relevant information.

Part C

(1Q x 10 M = 10Marks)

7. Explain GSM architecture with neat diagram