

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 2018**  
(Fifth Semester)

Branch - **COMPUTER TECHNOLOGY**

**MOBILE APPLICATION DEVELOPMENT**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is meant by binary PSK?
- 2 Differentiate between SDMA and FDMA.
- 3 Enumerate the protocols in GSM.
- 4 Define Handover.
- 5 What do you mean by synchronization channel?
- 6 What is meant by packet mode?
- 7 Comment on the extended service set.
- 8 What is radio layer?
- 9 Comment on the mobile node.
- 10 What do you mean by slow start?

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- ! 1 a Explain in detail about Antennas.  
OR  
b Illustrate about time division multiplexing.
- 12 a Write a note on: Routing.  
OR  
b Discuss about GPRS in detail.
- 13 a Explain about cyclical repetition of data.  
OR  
b Elucidate multimedia object transfer protocol.
- 14 a Explain about MAC management.  
OR  
b Write short note on: L2CAP.
- 15 a Describe about dynamic source routing.  
OR  
b Discuss in detail about mobile TCP.

**SECTION - C 130 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain about CDMA in detail.
- 17 Analyze the functional architecture of GSM.
- 18 Illustrate about the digital video broadcasting.
- 19 Enumerate the architecture of Bluetooth.
- 20 Discuss about tunneling and encapsulation in mobile IP.