

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(Fifth Semester)
Branch - **INFORMATION TECHNOLOGY**

MOBILE COMPUTING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

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

- 1 Define : Gateway.
- 2 What is the purpose of third - tier?
- 3 What does an MMS message can contain?
- 4 What is sensor networks?
- 5 Define : Modulation.
- 6 What is SSMT?
- 7 Write down the limitations of GPRS.
- 8 What is channel coding?
- 9 Define : Bluetooth.
- 10 Expand RFID,

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Brief a note on network.
OR
b List down the applications of mobile computing.
- 12 a Discuss about MMS transaction flow,
OR
b Explain about mobility in wireless LAN.
- 13 a Write a note on mobility management.
OR
b Explain about GSM frequency allocation.
- 14 a Describe about GPRS packet routing.
OR
b What are. the GSM network elements to be enhanced to support packet data in GPRS? Explain.
- 15 a Flow will you develop an IVR application? Explain.
OR
b Write a note on Java card.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Explain briefly about architecture of mobile computing.
- 17 Compare and contrast 3G and WiFi.
- 18 Illustrate GSM architecture..
- 19 Discuss about GPRS nrotrni