

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMBER 2018
(Fifth Semester)

Branch - COMPUTER APPLICATIONS

CORE ELECTIVE-III - MOBILE COMPUTING

Time: Three Hours

Maximum: 75 Marks

SECTION -A f30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 1 a Write about mobile computing functions.
OR
b Explain mobile computing architecture in brief.
- 2 a Explain multiple access procedures.
OR
b Write a note on RFID.
- 3 a Discuss the concepts of call routing in GSM.
OR
b Write a short note on SMS.
- 4 a Explain GPRS and Packet data networks.
OR
b Write about GPRS applications.
- 5 a How WAP application environment is framed?
OR
b Discuss - 'MANET' and Sensor Network.

SECTION -B (45 Marks)

Answer any **THREE** questions

ALL questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 Explain the concepts of mobile computing.

Write about the emerging technologies in mobile computing.
- 8 Give the architecture of GSM.
- 9 Give the architecture of GPRS.
- 10 List and explain the advantages of Wireless LAN.

Z-Z-Z

END