

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 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

(10x2 = 20)

- 1 List out the various radio waves.
- 2 What is Digital modulation?
- 3 Define SMS.
- 4 What is roaming?
- 5 List out the different broadcast patterns.
- 6 Define PAD.
- 7 What is link manager protocol?
- 8 What is pairing?
- 9 What is Socket pair?
- 10 List out the advantages of M-TCP.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Write short notes on SDMA.
OR
b Discuss about Multiplexing.
- 12 a Discuss about message flow for MTC and MO.
OR
b Explain about Security sendees for GSM.
- 13 a What are the various components of a DAB? Explain.
OR
b Discuss about broadcast transmission.
- 14 a Explain the format of an IEEE 802.11 phy frame using FFSS.
OR
b Discuss bout Bluetooth protocol stack.
- 15 a Explain about generic routing encapsulation.
OR
b Discuss about Reverse tunneling.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Explain about Spread spectrum.
- 17 Explain the functional architecture of a GSM system.
- 18 Discuss about Digital audio broadcasting.
- 19 Explain about MAC management.
- 20 Discuss about IPV6.