

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMBER 2018
(Fourth Semester)

Branch 7 **COMPUTER APPLICATIONS**

COMPUTER NETWORKS

Time : Three Hours

Maximum : 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

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

- 1 a Discuss briefly about any two types of Networks.
OR
b With an example explain layered task.
- 2 a Write a note on frequency modulation.
OR
b Explain briefly on multiplexing and demultiplexing.
- 3 a With an example, explain Division in CRC encoder and in CRC decoder.
OR
b What do you mean by IEEE standards?
- 4 a Write a short note on IPV6 addresses.
OR
b Write about unicasting, multicasting and broadcasting.
- 5 a Define UDP. What are the uses of UDP protocol?
OR
b Explain POP3 protocol in detail.

SECTION -B (45 Marks)

Answer any **THREE** questions

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

- 6 Discuss oh protocols and standards.
- 7 Explain Fiber Optic Cable in detail.
- 8 Write a note on ATM. Explain an architecture of ATM network.
- 9 Discuss briefly on Distance Vector Routing.
- 10 What are the categories of congestion control? Explain.