

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – COMPUTER TECHNOLOGY

DATA COMMUNICATIONS AND NETWORKING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks (10 x 1 = 10)

Cont...

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 5 = 25)

- 11 a Write a short note on digital signal.
(OR)
 b Explain TCP/IP protocol site.
- 12 a Bring out the features unguided media.
(OR)
 b Sketch on TDM.
- 13 a Write about the standard Ethernet.
(OR)
 b Discuss Mechanism error control.
- 14 a Explain the transport services.
(OR)
 b Discuss the addressing concepts in Network layer.
- 15 a Explain electronic mail.
(OR)
 b Discuss on DNS.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 8 = 40)

- 16 a Analyse the OSI layer in detail.
OR
 b Differentiate the process between data and signals in physical layer.
- 17 a Explain & Differentiate FDM & WDM.
(OR)
 b Point out the features in switching and its types.
- 18 a Highlight block coding & cyclic coding.
(OR)
 b Justify the flow control procedure in detail.
- 19 a Summarize broad-cast routing in detail.
(OR)
 b Examine how distance vector routing finds the path.
- 20 a Summarize Cryptography.
(OR)
 b Highlight the features of HTTP & SNHP.

Z-Z-Z

END