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FACULTY OF COMPUTER STUDIES

B.Sc. (C.S.) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2022

(CBCS/Revised Course)

COMPUTER SCIENCE

(Computer Network)

(Monday, 19-12-2019)

Time : 2.00 p.m. to 5.00 p.m.

Time— Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assumes suitable data if necessary.

1. Attempt any five of the following :

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(a) Explain NIC cards.

(b) Explain 10 Base T.

(c) What is IP address ?

(d) Explain connection oriented services.

(e) Explain any network device.

(f) Explain message switching.

(g) Explain HTTP in detail.

2. Attempt any three of the following :

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(a) Explain OSI reference model.

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(b) Explain LAN network.

(c) Explain circuit switching.

(d) Explain Ring topology.

3. Solve any three of the following :

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(a) Explain applications of computer network.

(b) Explain Service Primitives.

(c) Explain Hub and Switch.

(d) Explain FDDI in detail.

4. Solve any three of the following :

15

(a) Explain SMTP in detail

(b) Explain fibre optic cables.

(c) Explain IP.

(d) Explain protocol stack design issues of the layers.

5. Write short notes on any three :

15

(a) Explain Digital Signal.

(b) What are the design issues for Layers ?

(c) Ethernet.

(d) Parallel transmission mode

(e) Internet verses Intranet.

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