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AO—350—2018

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

MARCH/APRIL, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper VIII

(Computer Network)

(MCQ+Theory)

(Friday, 27-4-2018)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

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

(ii) Figures to the right indicate full marks.

(iii) Draw neat, will labelled diagram, if necessary.

(MCQ)

1. Attempt the following : 10

(1) In TCP/IP model is absent.

(a) Network layer

(b) Physical layer

(c) Session layer

(d) Application layer

(2) The full form of UDP is

(a) Useful data protocol

(b) User data program

(c) User datagram protocol

(d) User database protocol

(3) is a network device.

(a) Hub

(b) Bridge

(c) Router

(d) All of above

P.T.O.

- (4) Full form of ISDN is
- (a) Integral services digital network
 - (b) Integral sort digit network
 - (c) Internet service dial network
 - (d) Internet service direct network.
- (5) Data transmission modes are
- (a) Parallel
 - (b) Serial
 - (c) Both (a) and (b)
 - (d) None of these
- (6) In telephone system components are present.
- (a) End office
 - (b) Toll connecting trunk
 - (c) Local loop
 - (d) All of above
- (7) IP adress is
- (a) 2 byte
 - (b) 4 byte
 - (c) 8 byte
 - (d) None of these
- (8) Full form of modem is
- (a) Modulator demodulator
 - (b) Modulation demodulation
 - (c) Modular demodular
 - (d) None of above
- (9) Wi-fi stands for
- (a) wired fidelity
 - (b) wireless fidelity
 - (c) wireless feardity
 - (d) wired field

(10) can be used to authenticate the sender and receiver of the message to each other.

- | | |
|--------------|------------------|
| (a) Firewall | (b) Cryptogram |
| (c) Modem | (d) Cryptography |

(Theory)

2. (a) Explain connection oriented and connectionless services. 5

(b) Explain OSI reference model. 5

Or

(c) Explain star topology and bus topology. 5

(d) Explain in detail switch and bridges. 5

3. (a) Explain magnetic media and twisted pair. 5

(b) Explain bluetooth in detail. 5

Or

(c) What is Networking ? Explain WAN. 5

(d) Enlist transmission media. Explain coaxial cable. 5

4. (a) Explain web server and web browser. 5

(b) Explain domain name system in detail. 5

Or

(c) Explain network security in detail. 5

(d) Explain firewall and working of firewall. 5