

T.Y.B.SC. (COMPUTER SCIENCE) SEM -V (2014 COURSE) :
SUMMER - 2018
SUBJECT: DATA COMMUNICATION AND NETWORKING

Day : **Monday** **S-2018-0857** Time : **03.00 PM TO 05.00 PM**
Date : **16/04/2018** Max. Marks:40

N.B.

- 1) All questions are **COMPULSORY**
 - 2) Draw a neat diagram **WHEREVER** necessary.
 - 3) Figure to the right indicates **FULL** marks.
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- Q.1** Answer **ANY TWO** of the following: **(10)**
- a) Write a note on types of Network .
 - b) Write in detail about co-axial cables and fiber optics.
 - c) Explain OSI Model with diagram.
- Q.2** Answer **ANY TWO** of the following: **(10)**
- a) Write a note on Ethernet.
 - b) Explain NIC and its operations.
 - c) Write a note on SONET.
- Q.3** Answer **ANY TWO** of the following: **(10)**
- a) Differentiate between connection -oriented and connectionless Network.
 - b) Write a note on repeater, bridge and router.
 - c) Explain the role of switch in detail.
- Q.4** Answer **ANY FIVE** of the following: **(10)**
- a) Define protocol and state its types.
 - b) Write any four cable characteristics .
 - c) List any four network goals.
 - d) Explain FDDI .
 - e) What is a Gateway?
 - f) Explain Token Ring structure.
 - g) Explain microwave Networking technology.

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