

Subject : Advanced Networking

Day : Monday
Date : 06/06/2016



Time : 10.00 AM TO 1.00 PM
Max Marks : 80 Total Pages : 1

N.B.:

- 1) Attempt any **FIVE** questions from Section –I. Each question carries 10 marks.
- 2) Attempt any **TWO** questions from Section –II. Each question carries 15 marks.
- 3) Answers to both the sections should be written in the **SAME** answer book.

SECTION-I

- Q.1** Explain segmentation and fragmentation. **(10)**
- Q.2** How does ARP works? Explain. **(10)**
- Q.3** Enlist various fields in UDP header and explain its use. **(10)**
- Q.4** Identify network address of the following: **(10)**
i) 192. 168.1.35/27
ii) 10.10.10.125/16
iii) 200.1.2. 98/ 28
iv)5.1.2.3/8
- Q.5** What is internetworking? Explain architectural model. **(10)**
- Q.6** Enlist and explain various network topologies. **(10)**
- Q.7** Write short note on (Any **TWO**): **(10)**
a) FDDI
b) UDP
c) ATM

SECTION-II

- Q.8** Explain in detail how TCP establishes connection and closes connection. **(15)**
- Q.9** Explain classful IP addressing scheme in detail. **(15)**
- Q.10** Explain what is subnetting and supernetting with example. **(15)**

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