

SE / IT / III (OLD) 24/5/2012
Foundation of Information
Technology.

39 : 1st half.12-AM(x)

Con. 4005-12.

(OLD COURSE)

GN-7775

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.
(2) Answer any **four** questions from Question Nos. 2 to 7.

1. (a) What are the applications of Information Technology ? 5
(b) What are peripheral devices ? 5
(c) What is Data ware housing and data mining ? 5
(d) What are the advantages of intranet ? 5
 2. (a) What is meant by a digital computer ? Draw a Schematic to show various functional units of a digital computer. 10
(b) What are the various program development methodologies ? 10
 3. (a) What are programming languages ? Explain the difference between Machine, Assembly and a High Level Language ? 10
(b) What are search engines ? 5
(c) What is Virus ? How to prevent a virus ? 5
 4. (a) What are the ISO OSI reference model ? Explain the role of all the layers of OSI reference model. 10
(b) What are the functions of an operating systems ? 5
(c) What is the role of software applications in today's business and social environment ? 5
 5. (a) What are the different types of modulation ? 10
(b) What are the different protocols available on the Internet ? 10
 6. (a) What are the technologies used in data mining ? 10
(b) What are the components of a network ? 10
 7. Write notes on any **four** of the following :— 20
 - (a) TCP / IP protocol
 - (b) Cryptography
 - (c) World Wide Web
 - (d) Firewall Types
 - (e) Wireless Application protocols
 - (f) Fourth Generation Languages (4GL) ?
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