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BO—08—2016

FACULTY OF COMPUTER STUDIES

B.C.A. (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER APPLICATION

(Fundamentals of Computers)

(Saturday, 19-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time— Three Hours

Maximum Marks—80

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

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt the following : 20
 - (a) Clients and servers
 - (b) Central Processing Unit
 - (c) Keyboard and Mouse
 - (d) Files and directories.

2.
 - (a) Explain the characteristics of the computer system. 8
 - (b) Describe the secondary storage devices in detail. 7

Or

 - (c) Explain any *two* output devices in detail. 8
 - (d) Define software. Explain the types of software. 7

3.
 - (a) Explain the compilers, Interpreters and Assemblers in detail. 8
 - (b) Explain the need, goals and principles of software engineering. 7

Or

 - (c) Define operating system. Explain types of operating system. 8
 - (d) What is computer network ? Explain network topologies with diagram. 7

P.T.O.

4. (a) Discuss on “OSI model”. 8
- (b) What is Internet ? How the Internet is useful in various areas ? 7
- Or*
- (c) Define Browser ? Explain the various browser for internet access or browsing the data. 8
- (d) Explain the leased line and remote dial-up connection for internet. 7
5. Write short notes on (any *three*) : 15
- (a) Linkers and loaders
- (b) WWW
- (c) E-mail
- (d) Communication protocol
- (e) RAM and ROM.