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BO—07—2016

FACULTY OF COMPUTER STUDIES

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

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

BASICS OF COMPUTER SYSTEM

Paper (S1.1)

(Saturday, 19-11-2016)

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

Time—Three Hours

Maximum Marks—75

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

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data if necessary.

(iv) Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

1. Attempt any *five* of the following (**3** marks each) : 15

(a) Discuss any *three* characteristics of computer system.

(b) What is scanner ? Explain types of scanner in short.

(c) Discuss the concept of cache memory in short.

(d) What is operating system ? Why is it necessary for a computer system ?

(e) What do you mean by spreadsheet package ?

(f) Discuss the concepts sender, medium and receiver.

(g) Explain FTP in short.

2. Attempt any *two* of the following : 10

(a) What is computer ? Explain generation of computer systems.

(b) Discuss block diagram of computer system.

(c) What is a personal computer ? Describe its typical uses.

P.T.O.

3. Answer any *two* of the following : 10
- (a) What are bar codes ? How does a bar code reader read bar coded data ?
Give a typical use of bar code reader.
 - (b) What is a mouse ? Explain its working.
 - (c) Discuss screen image projector.
4. Answer any *two* of the following : 10
- (a) What is ROM ? Explain types of ROM in detail.
 - (b) Discuss blue-ray disk.
 - (c) Explain the concept of flash memory.
5. Attempt any *two* of the following : 10
- (a) Explain functions of operating system in short.
 - (b) Explain disk operating system.
 - (c) Discuss basic features of Windows OS.
6. Answer any *two* of the following : 10
- (a) What is personal assistance package ? Discuss its commonly supported features.
 - (b) Discuss on the following with reference to a spreadsheet package :
 - (i) Cell contents
 - (ii) Range of cells
 - (c) List out any five features of a word processing package. Explain how each of these five features is helpful in document preparation.
7. Answer any *two* of the following : 10
- (a) Explain OSI reference model.
 - (b) Discuss role of communication protocol.
 - (c) Discuss the concept of web browser.