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BP—08—2016

FACULTY OF COMPUTER STUDIES

B.Sc. (SE) (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Course)

SOFTWARE ENGINEERING

Paper S1.1

(Basics of Computer System)

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

1. Attempt any *five* of the following :

5×3=15

(a) Supercomputer

(b) Keyboard and mouse

(c) Booting procedure of DOS

(d) Roles of communication protocols

(e) Microcomputer

(f) E-mail

(g) IPA.

2. Attempt any *two* of the following :

2×5=10

(a) Explain main-frame system in brief.

P.T.O.

- (b) Explain characteristics of computer.
- (c) Explain third and fourth generation of computer in brief.
3. Attempt any *two* of the following : 2×5=10
- (a) Explain bio-metric devices in brief.
- (b) Explain impact printer with suitable diagram.
- (c) Explain OMR-and MICR in brief.
4. Attempt any *two* of the following : 2×5=10
- (a) Explain CD and DVD along with its types.
- (b) Explain main memory organization in brief.
- (c) Explain Cache memory with diagram.
5. Attempt any *two* of the following : 2×5=10
- (a) Explain main functions of operating system.
- (b) Explain the following commands with syntax and example (Linux) :
- (i) ls
- (ii) cp
- (iii) adduser
- (iv) find
- (v) cat.
- (c) What is operating system ? Explain types of operating system.
6. Attempt any *two* of the following : 2×5=10
- (a) Write a short note on CoralDraw.

- (b) Explain word processing package with diagram.
 - (c) Explain spreadsheet package with diagram.
7. Attempt any *two* of the following : 2×5=10
- (a) Explain OSI reference model in brief.
 - (b) Explain data transmission modes in brief.
 - (c) What is Browser ? Explain types of browsers.