

Roll No.

97549

**M. Sc. (Computer Science) 2nd Semester
(CBCS) Examination – May, 2018**

**COMPUTER FUNDAMENTALS (Foundation Elective
Course) (CBCS)**

Paper : 16CSAF1

Time : Three Hours]

[Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Question number one is *compulsory*. Attempt any *four* questions at least *one* from each Unit. All questions carry equal marks.

1. Explain the following : 8 × 1 = 8
- (a) Data Processing
 - (b) Anatomy of computers
 - (c) Optical disks
 - (d) Windows Operating System
 - (e) Table handling
 - (f) Slide show
 - (g) Instant messaging
 - (h) URLs

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P. T. O.

UNIT - I

2. (a) What do you mean by computer generations ? Explain in detail. 4
- (b) Convert the following : 4
- (i) $(A2)_{16} = (?)_2$
- (ii) $(777)_8 = (?)_{10}$
3. (a) What are Output devices ? Explain the use of any three input devices in detail. 4
- (b) What is computer ? Explain the history of computing in details. 4

UNIT - II

4. Explain the following : 4
- (a) Virtual memory and Cache memory 4
- (b) RAM and ROM 4
5. (a) What is Operating System ? Explain the characteristics and functions of Operating System. 4
- (b) What is Software ? Explain its types in detail. 4

UNIT - III

6. (a) What is Spreadsheet ? Differentiate between relative and absolute cell addresses in a spreadsheet. Explain the need for these two types of cell addresses. 4

- (b) What do you mean by Word Processing ? What are the advantages of Word Processing ? Also explain how to create and save documents. 4
7. (a) What is Power Point ? What is the various application of the power point ? Explain. 4
- (b) What is MS-Excel ? What are the features of MS-Excel ? How to manage and organize data in MS-Excel ? 4

UNIT - IV

8. (a) What do you understand by Network Topologies ? Explain the different types of Network Topologies in detail. 4
- (b) Explain the applications of computer in research, education, business and medical & health care. 4
9. Explain the following in detail : 4
- (a) Internet and the applications of internet. 4
- (b) Computer virus and its types 4