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BCA-101

B.C.A. (First Year) Examination, 2020

**INTRODUCTION TO INFORMATION
TECHNOLOGY & P.C. PACKAGES**

Paper-I

Time Allowed : Three Hours

Maximum Marks : 100

PART - A

[Marks : 20

Answer all questions (50 words each).

All questions carry equal marks.

PART - B

[Marks : 50

Answer *five* questions (250 words each).

Selecting *one* from each unit. All questions carry equal marks.

PART - C

[Marks : 30

Answer any *two* questions (300 words each).

All questions carry equal marks.

BCA-101/1380

P.T.O.

PART-A

UNIT - I

1. (a) Explain the basic model of a computer system with detail diagram.
- (b) Explain some applications of ICT in modern era.

UNIT - II

- (c) List some major functions of Operating System.
- (d) List some internal and external DOS commands with their functions.

UNIT - III

- (e) List some text formatting options in word.
- (f) Which is the shortcut key for using spell check option in word ?

UNIT - IV

- (g) What is the maximum possible range of columns and rows in Excel (WRite specific version) ?
- (h) What is the use of conditional formatting. Illustrate with suitable example.

UNIT - V

- (i) List the different browsing software and search engines available.
- (j) What is ISP. What is its role in providing internet facilities.

PART-B

UNIT - I

2. List in details the Generation of computers.
3. Explain the components of a computer system.

UNIT - II

4. List any 6 basic Linux commands with their syntax and usage.
5. Explain in stepwise manner the booting process of a computer system.

UNIT - III

6. Differentiate between word, excel and PowerPoint.
7. Explain the header footer and page numbering option in word.

UNIT - IV

8. Explain the various charts type in spreadsheet.
9. Explain the use of Pivot tables in excel.

UNIT - V

10. Differentiate between LAN, MAN, WAN network topologies.

11. What is the advantages of document collaboration ?

PART-C

UNIT - I

12. Give a detailed description of Memory organization and Hierarchy.

UNIT - II

13. Discuss about various operating systems available with their advantages and disadvantages.

UNIT - III

14. Discuss about the Mail Merge Facility in Word.

UNIT - IV

15. Explain the steps of protecting the sheet and workbook in detail with their usages.

UNIT - V

16. List the differences between IPv4 and IPv6 with proper diagrams.