

(i) Printed Pages: 4

Roll No.

(ii) Questions : 9

Sub. Code :

0	0	8	6
---	---	---	---

Exam. Code :

0	0	0	1
---	---	---	---

B.A./B.Sc. (General) 1st Semester

(1129)

INFORMATION TECHNOLOGY

Paper—A (Computer Fundamentals)

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **ONE** question from each Unit. Unit V is compulsory.

UNIT—I

1. (a) What is the role of programming languages ? Why are the translators required ? Discuss generations of programming languages with their features and examples. 7
- (b) How is the data organized on a disk ? Discuss the related terms like : tracks, sectors, cylinders, head, access time, seek time and latency time etc. 6
2. (a) Perform conversions and complete the table given below :

Binary	Octal	Decimal	Hexadecimal
100011	-----	-----	-----
-----	572	-----	-----
-----	-----	572	-----
-----	-----	-----	5AB

7

- (b) Present a classification of computers based upon size and architecture.

6

UNIT—II

3. Why is an Operating System considered as resource manager? Compare the main features of DOS, UNIX and Windows.

13

4. Explain syntax and use of following commands with example :

DOS

UNIX

- | | |
|--------------------|------------|
| (i) MD, CD | (vii) echo |
| (ii) XCOPY | (viii) cp |
| (iii) ATTRIB | (ix) kill |
| (iv) PROMPT | (x) nohup |
| (v) DEL, UNDELLETE | (xi) msg |
| (vi) MOVE | (xii) pwd |

13

UNIT—III

5. Write notes on following features of Word processing software :

- (a) Auto correct features
- (b) Adding headers and footers
- (c) Inserting/Drawing table
- (d) Creating and using macro.

13

6. How can you create large number of envelopes with different names and addresses printed in a specific format ? Write all steps required for creating this assignment using hypothetical data and format for merging. 13

UNIT—IV

7. Write note on following features of Spreadsheet software and Presentation software :
- (a) Working with statistical functions in Spreadsheet. 3
 - (b) Entering text, number or formula in Spreadsheet. 3
 - (c) Various views available in Presentation software. 3
 - (d) Features of presentation software. 4
8. Charts and graphs are very important for easy and clear presentation of data. Explain different types of charts available and their use in Spreadsheet software. Write down steps of creating a Pie Chart with relevant title, legends and labels etc. 13

UNIT—V

9. Attempt **ALL** parts :
- (a) How is a batch file created and used in DOS ? Explain with an example. 2
 - (b) How is CDROM different from DVD ? 2

- (c) What is the booting process ? Write booting sequence followed while making system ready to use. 2
- (d) Draw and present a brief explanation of Block diagram of computer system. 2
- (e) How can you divide the content of a document in multiple columns ? 2
- (f) Write note on Data and Time functions available in spreadsheet. 3