

(Or)

7. How programs solve problems by use of program control flow, algorithms, common flow patterns, variables and functions ?

(Or)

8. In word processor, what makes a block of text ? How does spell checker work ? What is use of Templates in word processor ? Discuss character formatting.

(Or)

9. (a) Explain the purpose of Microsoft PowerPoint's Slide Master and how it benefits the creation of presentations.
- (b) Discuss the significance of cell references in Excel formulas. How do relative, absolute and mixed references impact formula calculations ?
-

Roll No.

Paper Code – BCA 1001

BCA 1st Year (Semester-I) EXAMINATION, 2023-24

COMPUTER FUNDAMENTAL & PROBLEM

SOLVING TECHNIQUES

PAPER-I

Time : Two Hours]

[Maximum Marks : 75

Note- This paper consists of three Section A, B and C. Carefully read the instructions of each Section in solving the question paper. Candidates have to write their answers in the given answer-copy only. No separate answer-copy (B Copy) will be provided.

Section-A

(Short Answer Type Questions)

Note- All questions are compulsory. Answer the following questions as short answer type questions. Each question carries 5 marks.

1. (A) What is computer & explain its characteristics also ?
- (B) What does OCR software do ?

- (C) What are the four primary functions that an operating system performs ?
- (D) Write the key features of fifth-generation Languages ?
- (E) What is a batch file ?
- (F) Differentiate MS-Word and MS-PowerPoint.
- (G) Write an algorithm to calculate area and circumference of circle.
- (H) Draw a flowchart to calculate the summation of given numbers.
- (I) Write full form of following abbreviations used in computer terminology :

CISC, DIMM, FAT, DVD, XML, TB

Section-B

(Long Answer Type Questions)

Note- This section contains four questions from which **one** question is to be answered as long question. Each question carries 15 marks.

2. Solve the following :
 - (a) $(110.101)_2 + (1101.10)_2$
 - (b) $(1101)_2 / (1010)_2$
 - (c) $(00110)_2 - (11001)_2$

(Or)

What is Operating System ? Discuss about all versions of OS provided by Microsoft, Linux and Mac.

(Or)

4. What is computer memory and mention its type ?
What is computer storage and mention its type ?
Differentiate both.

(Or)

5. How does color CRT monitor produce images on the screen ? What are Flat-Panel Monitors ? differentiate both.

Section-C

(Long Answer Type Questions)

Note- This section contains four questions from which **one** question is to be answered as long question. Each question carries 15 marks.

What is operating system ? Explain how interrupt request work, when we tell OS to list the files in a folder. How drivers are helpful in using interrupts in operating system ?