12. (a) What is Database Management System? Explain the characteristics of DBMS. 7.5

(b) Write down the advantages and disadvantages of flow-chart. 7.5

13. Write a short note on the following:

3×5=15

(a) Machine Language

(b) Icons

(c) Paintbrush

(d) PROM

(e) CD and DVD

A

(21222)

B.C.A.-I Sem.

(Printed Pages 4)

Roll No. ....

18001

B.C.A. Examination, Dec.-2022

Computer Fundamental and

Office Automation

(BCA-103)

Time : Three Hours] [*Maximum Marks : 75*]

Note : Attempt questions from **all** sections as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt **all** questions. Each question carries **03** marks. Very short answer is required. 3×5=15

1. Explain any five output devices with their uses. 3

2. Differentiate among the GUI and CUI. 3

3. What is batch file? Write steps to create a batch file. 3

4. What do you mean by editors? 3

5. Draw a flow-chart to find-out greatest no. among the three numbers. 3

Section-B

Note : Attempt any **two** questions Each question carries **7.5** marks.

$7.5 \times 2 = 15$

6. What is Operating System? Explain its types in detail. 7.5

7. Explain the following: $3 \times 2.5 = 7.5$

   (a) Compiler

   (b) Interpreter

   (c) Assembler

8. Convert the following: $1.5 \times 5 = 7.5$

   (a) $(12124)_8 = (?)_{16}$

   (b) $(1010110.11)_2 = (?)_{10}$

   (c) $(10011010)_2 + (110010)_2$

   (d) $(1010110.11)_2 * (1110)_2$

   (e) $(ABE5)_{16} = (?)_{10}$

Section-C

(Detailed Answer Questions)

Note : Attempt any **three** questions. Each question carries **15** marks. $15 \times 3 = 45$

9. (a) Explain the characteristics and components of computer in detail. 7.5

   (b) Explain any five internal and five external commands of MS-DOS. 7.5

10. (a) What is MS-Windows? Explain the features of MS-Windows. 7.5

    (b) What is difference between control panel and taskbar. 7.5

11. (a) What is MS-Word? How can we create a document in word? Write steps to create a document in word. 7.5

    (b) What is MS-Access? Give the steps to create a new table in MS-Access. 7.5