

Roll No. _____

Code No. PCS-033

SECOND SEMESTER EXAMINATION 2021-22

Class - B.C.A.

Subject - Concept of Software

Time : 2.30 Hrs.

Max. Marks : 80

Total No. of Printed Page : 05

Mini. Marks : 28

Note: Question paper is divided into three sections. Attempt question of all three section as per direction. Distribution of Marks is given in each section.

Section - 'A'

Attempt any two questions from each unit.

Very short answer question (word limit 30 words.)

10x2=20

UNIT - I

1. What is spreadsheet ?
2. What is system software ? Give example.
3. What is Image Editing ?

UNIT - II

4. What is Operating system ?
5. What is simulator and Emulator ?
6. What is Firmware ?

(2)

UNIT - III

7. What is the role of Macro expansion ?
8. What is Assembler ?
9. What is symbolic debugger ?

UNIT - IV

10. What is static and Dynamic Relocation ?
11. What is Linking Loaders ?
12. What is Pure and impure Interpreter ?

UNIT - V

13. What is Compilers ?
14. What is Lexical Analysis ?
15. What is YACC ?

Section - 'B'

Attempt all questions.

Short answer question (word limit 60 words.)

5x6=30

UNIT - I

16. What do you mean by Application software ? Give example also.

OR

(3)

Explain Web Application softwares with example ?

UNIT - II

17. Describe the structure of Editor ?

OR

Explain in short system programming.

UNIT - III

18. Explain the Nested and conditional macro with example.

OR

Explain the two pass Assembler with algorithm.

UNIT - IV

19. Explain the difference between linking loaders and linkage editor ?

OR

Explain the basic Loading functions.

UNIT - V

20. Explain the syntax analysis phase of a compiler.

(4)

OR

Describe the management of Memory allocation.

Section - 'C'

Attempt any two questions.

Long answer question (word limit 120 words.)

2x15=30

UNIT - I

21. Explain the application of the following :

- (i) CAD
- (ii) Database software
- (iii) Word processing software

UNIT - II

22. What is Translators ? Explain the types of translator in detail.

UNIT - III

23. Explain the following :

- (i) Recursive Macro
- (ii) Parameterized macro
- (iii) Cross Assembler

(5)

UNIT - IV

24. Explain the following :

- (i) Dynamic Binders
- (ii) Interpreter
- (iii) Machine Dependent Loader

UNIT - V

25 What is code optimization ? Explain Local and global optimization in brief ?

--00--