

4008-02

Total Pages : 8

Degree (Part-I) Examination, 2023

(Vocational)

BCA

[Paper : Second]

[PPU-D-I(H)-BCA-2]

Time : Three Hours]

[Maximum Marks : 75

Note : Candidates are required to give their answers in their own words as far as practicable. Attempt **any five** questions in **all**. All questions are of **equal** value. **Question No. 1** is **compulsory**.

1. Choose the correct answer from the following :

(i) In OS, which of the following is/are CPU scheduling algorithms ?

(a) Priority

(b) Round Robin

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(1)

[P.T.O.]

(c) Shortest Job First

~~(d) All of the above~~

(ii) To access the services of the OS, the interface is provided by the_____.

(a) Library

(b) System Calls

~~(c) Assembly Language~~

(d) API

(iii) If a process fails, most OS write the error information to a_____.

(a) new file

(b) another running process

~~(c) log file~~

(d) None of these

(iv) Transient OS code is a code that_____.

(a) Stays in the memory always

(b) Never enters the memory space

~~(c) Comes and goes as needed~~

(d) None of these

(v) The FCFS algorithm is particularly troublesome for_____.

~~(a) Operating Systems~~

(b) Multiprocessor Systems

(c) Time Sharing Systems

(d) Multiprogramming Systems

(vi) Can you use a #DEFINE on a FoxPro keyword ?

~~(a) Yes~~

(b) Yes, but the redefinition is ignored

- (c) No
- (d) None of these

(vii) Which file is used to write the different types of FoxPro program ?

- (a) Report file
- (b) Lable file
- ☒ (c) Program file
- (d) Index file

(viii) Extension of a database table file is _____.

- (a) .WK4
- ☒ (b) .DBF
- (c) .DBC
- (d) .FDP

(ix) Extension of a program file in FoxPro :

(a) .DBC

☒ (b) .PRG

(c) .lbx

(d) None of these

(x) For sorting the data, we use _____.

(a) Index

(b) Sort

(c) Index and Sort

☒ (d) All of the above

2.

☒ (a) Explain various components of Operating Systems.

(b) Write difference between Multi-tasking and Multi-processing Operating Systems.

3. (a) What is File System ? Explain File Management.

(b) What is UNIX-OS ? Write some important characteristics of UNIX-OS.

4. (a) Explain System Life Cycle with difference stages.

(b) What is Process ? Explain Process Management.

5. (a) What is Database ? Explain the advantages of Database Management System.

(b) Write difference between "list" and "display" command.

6. (a) Write command and step to create a table "student" with structure "studentid", "name", "gender", "course" and "fee" and save record.

(b) What is Sort ? Write its advantages and disadvantages.

7. (a) Explain ?, ?? and ??? commands with suitable example.

(b) What is Indexing ? Write advantages of Indexing.

8. Explain the following FoxPro commands :
- (a) Edit
 - (b) Goto
 - (c) Recall
 - (d) Pack
9. (a) What is "Modify Commands" ? Explain use of this command in FoxPro with example.
- (b) Write a FoxPro program to take two numbers and perform all arithmetical operations.
10. (a) Explain Conditioning Branching statement of FoxPro with suitable example.
- (b) Write a FoxPro program to take day number of week and display name of day.

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