

2017

Time : 3 hours

Full Marks : 75

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions, in which question no 1 is compulsory.

1. Choose the correct answer of the following:

- (a) The _____ keeps state information about the use of I/O component
- (i) CPU
 - (ii) OS
 - (iii) Kernel
 - (iv) Shell

- (b) Spooling
 - (i) Holds a copy of the data
 - (ii) is fast memory
 - (iii) Holds the only copy of the data
 - (iv) None
- (c) Real time system must have
 - (i) Preemptive Kernels
 - (ii) Non Preemptive Kernels
 - (iii) (i) & (ii)
 - (iv) Bit code
- (d) What is basic need in protecting memory in multi-user environment?
 - (i) We need two registers one 'start' and other 'end'
 - (ii) We need a variable register
 - (iii) A fence register has to be used known as base register
 - (iv) None

- (e) Which of the following condition is required for deadlock to be possible?
- (i) Mutual exclusion
 - (ii) A process may hold allocated resources while awaiting assignment of other resources.
 - (iii) No resource can be forcibly removed from a process holding it.
 - (iv) All of the above
- (f) The relational database environment has all following components except :
- (i) Separate files
 - (ii) Users
 - (iii) Database
 - (iv) Query languages
- (g) Large collection of files are called
- (i) Fields
 - (ii) Database
 - (iii) Records
 - (iv) Sectors

- (h) Which Key is used to increase left indent in Ms-Word
- (i) Ctrl + I
 - (ii) Ctrl + M
 - (iii) Alt + I
 - (iv) F10
- (i) Which data type is not available in FoxPro
- (i) Numeric
 - (ii) Float
 - (iii) Character
 - (iv) Long
- (j) In FoxPro round (25.51) returns the value:
- (i) 25
 - (ii) 26
 - (iii) 25.5
 - (iv) 27

2. What are the advantages of multiprocessor system?

3. What are the primary difference between Network operating system & distributed operating system?

4. What are deference between real-time system & time sharing system?

5. What are the different types of CPU registers in a typical operating system design?

6. Write short notes (any two)

(i) Paging & segmentation

(ii) Fregmentation

(iii) Socket

(iv) Caching

(v) Spooling

7. What is difference between sorting & indexing?

Explain with example.

8. (a) What do you mean by DBMS? And how it differs from RDBMS.

(b) Write a program in FoxPro by using Do case --- End case structure.

9. Explain the difference between following commands in FoxPro :

(i) List & display all

(ii) Edit and change

(iii) Change & replace

(iv) List & Pack

10. What do you mean by label and how will you create in FoxPro? Write a program using scan --- end scan .

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