XEV (H-1) - BCA (2)

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.

Choose the correct answer of the following:

(1)

- (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) & (ii) & (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

(2)

- (iii) A fence register has to be used known as base register
- (iv) None

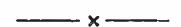
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- (e) Which of the following condition is required for deadlock to be possible?
 - (i) Mutual exclusion
 - (ii) A process may hold allocated resources while awaiting assignment of other resources.
 - (iii) No resource can be forcible removed from a 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 + 1
 - (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?
- 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.

- (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.
- 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



(6)