2016

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) When a computer is first turned on or restarted, a special type of absolute loader called :

       (i) Compile and go loader

       (ii) Boot loader

       (iii) Boot strap loader

       (iv) Relating loader

   (b) Which of the following is not a part of the O/S ?

       (i) Supervisor

       (ii) Performance monitor

       (iii) Job control program

       (iv) Input/out

   (c) Which one of the following is not a layer of OS ?

       (i) Kernal

       (ii) Shell

       (iii) Application program

       (iv) Critical selection

   (d) Which is not a function of O/S ?

       (i) Memory management

       (ii) Disk management

       (iii) Application management

       (iv) Virus protection

   (e) UNIX is a :

       (i) Multitasking O/S

       (ii) Multiuser multitasking O/S

       (iii) Single user O/S

       (iv) None

   (f) Which is not the condition of deadlock ?

       (i) Hold & wait

       (ii) No pre-emption

       (iii) Critical section

       (iv) Mutual exclusion

   (g) Which file is used to write the different types of Foxpro program ?

       (i) Report file

       (ii) Label file

(iii) Programm file

(iv) Index file

(h) The maximum field width of characters field is :

(i) 125   (ii) 261

(ili) 250   (iv) 254

(i) Which command display only the current record of the current database file ?

(i) List

(ii) Display

(iii) Insert

(iv) Append

(j) ? Round (1234.6, −2) returns the value :

(i) 1250   (ii) 1230

(iii) 1200   (iv) 1240

2. What do you mean by operating system ? What are the various function of an operating system ? Explain.

3. What are the benifits of a multiuser operating system as agaist a single user operating system.

4. What is meant by preemptive scheduling ? How does it affect the system performance vis-a-vis non-preemtive secheduling ?

5. What is UNIX operating system ? What are the advantages of using unix OS over other os.

6. What do you mean by database management system ? Explain in details about database file, second and field.

7. Explain the diflierence between the following :

(a) Edit and Browse

(b) Display and list

(c) Delete and pack

(d) Append and append blank

(e) Accept and input

8. What do you mean by sorting and indexing ? Describe the advantages and disadvantages of index over sorting.

9. What is a loop ? Why it is necessary in the program ? Explain the different looping statements in Foxpro.

10. Write short notes on any two of the following :

(a) Memory management

(b) Computer in automation

(c) File management

(d) ?, ??, ??? commands

(e) Foxpro level designing and printing

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