

92992  
(4)

2015

Full Marks : 75

Time : 3 hours

*The questions are of equal value*

Answer **five** questions including Question 1 which is compulsory

1. Choose the correct answers of the following :

(a) The primary job of the operating system is

- (i) manage commands
- (ii) manage users
- (iii) manage programs
- (iv) manage resources

(b) Who is called a supervisor of computer activity?

- (i) Memory
- (ii) Operating System
- (iii) I/O Devices
- (iv) Control Unit

(c) Virtual Memory is

- (i) extreme large main memory

4. Write about FCFS Scheduling and Round Robin Scheduling.

5. How does deadlock avoidance differ from deadlock prevention? Write about deadlock avoidance algorithm in detail.

6. Why should page replacement be performed? Compare FIFO, Optimal and LRU page replacement algorithms with an example.

7. How will you create a report in FoxPro? Write down its features and process for creation of a report.

8. What do you mean by memory variables? Explain how many types of memory variables are available in FoxPro. Justify your answer with suitable example.

9. What do you mean by custom screen? Write down the steps for designing a custom screen for a form to deposit amount in a account.

10. Describe following commands with proper syntax and usages :

- (a) Append from
- (b) Copy to
- (c) Join
- (d) Set relation.

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- (ii) extremely large secondary memory
  - (iii) an illusion of extremely large main memory
  - (iv) an illusion of extremely large secondary memory
- ☒ 11) Unix Operating System is a
- (i) Multiuser Operating System
  - (ii) Time Sharing Operating System
  - (iii) Multitasking Operating System
  - (iv) All of the above
- ☒ 12) In which type of the following OS, the response time is very crucial?
- (i) Network Operating System
  - (ii) Real-Time Operating System
  - (iii) Batch Operating System
  - (iv) Unix Operating System
- (f) The file system NTFS stands for
- (i) New Type File System
  - (ii) Never Terminated File System
  - (iii) New Technology File System
  - (iv) Non-Terminated File System
- (g) Primary memory stores
- (i) data alone
  - (ii) programs alone

- (iii) results alone
  - (iv) All of these
- ☒ 13) The basic operations performed by a computer are
- (i) arithmetic operation
  - (ii) logical operation
  - (iii) storage and relative
  - (iv) All of the above
- ☒ 14) Which file is used to write the different types of FoxPro program?
- (i) Report file
  - (ii) Label file
  - (iii) Program file
  - (iv) Index file
- ☒ 15) The maximum field width of characters
- (i) 125
  - (ii) 261
  - (iii) 250
  - (iv) 254
- ☒ 16) Discuss the various components of an operating system.
- ☒ 17) What are the different process states? Explain with a diagram.