

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**MASTER OF BUSINESS ADMINISTRATION (M.B.A.)**  
**EXAMINATION : DECEMBER - 2023**  
**SEMESTER - I**

**Sub: Basics of Computers & Information Technology (MBA106)**

**Date: 19/12/2023**

**Total marks: 60**

**Time: 2.00 pm To 4.30 pm**

**SECTION – I**

**Q. 1. Fill in the blanks.**

**(5)**

1. \_\_\_\_\_ is the extension of Microsoft Word file.  
a) .xls  
b) .doc  
c) .bmp  
d) .ppt
2. \_\_\_\_\_ virus named after nuclear power plant tragedy event and it activates on its own every year on 26 April.  
a) Trojans  
b) Worms  
c) Chernobyl Virus  
d) Melissa Virus
3. \_\_\_\_\_ is the extension of Microsoft Excel file.  
a) .xls  
b) .doc  
c) .bmp  
d) .ppt
4. \_\_\_\_\_ are computer programs that migrate from one computer to another without attaching themselves to the operating system.  
a) Trojans  
b) Worms  
c) Chernobyl Virus  
d) Melissa Virus
5. \_\_\_\_\_ is the extension of bitmap image file.  
a) .xls  
b) .doc  
c) .bmp  
d) .ppt

**Q. 2. Answer the following. (Any Two)**

**(20)**

1. Define Hardware.
2. It refers to all the physical devices that the computer is made up of.
3. Define software.
4. What is a server?

**Q. 3. Write notes on. (Any Two)**

**(10)**

1. Input devices.
2. Multimedia
3. Application software

## SECTION – II

### **Q. 4. Case Study**

**(15)**

The operating system performs many functions. They are as follows: System Accounting: The information about the working of the system is maintained in the operating system. Such information includes the amount of memory used, the CPU time consumed for different operations, the number of users in a particular session, etc Sharing Devices : The hardware i.e. the peripheral devices like printer, scanner can be shared among several users. The operating system keeps track of availability of the device and allocates it to the users who request its use. If the device is busy, then the request are put in a queue. It maintains separate queues for each device. The request is answered according to the order of the queue. Network Communication: The operating system provides communication between several users who are connected across a network. The communication can be a message passing between users or file transfer. Information Security: The efficiency of the operating system increases since it provides an excellent security facility. Unauthorized access to a computer system or a network is prevented by the operating system, thereby protecting the confidentiality and integrity of data. Authenticity of the user is verified by the operating system with the help of a username and password pair. Memory Management: This is a vital functionality of an operating system. Memory is allocated to every program that has to be executed by the computer. This allocation is not practically visible to the user but the user can find out the memory schedule devised by the operating system. File Management: The operating system allocates memory to all the files and folders created by the user. This is visible to the user when he works with it. The operating system manages the creation of a file/folder, transfer of data from one device to another in the form.

**Answer the following.**

- 1.What is system accounting?
2. Describe memory management.
- 3.What do you mean by information security?

### **Q. 5. Answer the following:**

**(10)**

- a) Describe the characteristics of computer in detail.

**OR**

- b) Write a note on generations of computers.