

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: BCA/DCA	Date	: 26-02-2026
Subject Code	: BCAN-102(NEW)/DCA-102	Time	: 11:30am to 01:45pm
Subject Name	: Operating System & Software Installation	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain the types of operating systems with suitable examples.
2. Write a detailed note on GUI and its importance in operating systems. Include examples of devices using GUIs.
3. Explain Windows 2000 architecture in detail.
4. What is System Software? Give Examples.
5. Explain the steps in preventive maintenance for UPS.

Section B

Answer the following (Attempt any four) (20)

1. Differentiate between preemptive and non-preemptive multitasking.
2. Define 'process'. What are the different operations performed on a process?
3. What are the versions of windows 2000? Explain in brief.
4. Describe the two ways to move files between folders in Windows 7.
5. Define term related to Universal plug and play concept: **control point, Action, Service.**
6. What are the steps to install keyboard driver?

Section C

Part – A (Multiple Choice Questions)

(10)

- 1 In batch operating systems, programs are grouped together as:
A Schedules B Threads
C Batches D Processes
- 2 The interface that uses icons, windows, and menus is known as:
A CLI B API
C BIOS D GUI
- 3 Windows 7 introduced a new file-sharing feature known as:
A HomeGroup B Secure Folder
C Workzone D GroupShare

- 4 In which partition is it recommended to install Windows XP system files?
 A D:\ B C:\
 C F:\ D Any random partition
- 5 What format should you choose while installing Windows XP for maximum compatibility and security?
 A FAT16 B FAT32
 C NTFS D exFAT
- 6 When assembling a PC, which component should be installed first on the motherboard?
 A Hard Drive B RAM
 C DVD-ROM D Fan
- 7 A continuous beep at startup often indicates a problem with:
 A Hard disk B Monitor
 C Power Supply D RAM
- 8 For UPS maintenance, which should be recorded regularly?
 A Screen brightness B Network speed
 C Battery cycling and discharge times D Number of users
- 9 Which of the following is not a file attribute?
 A Name B Type
 C Location D Username
- 10 When troubleshooting a mouse, what should you check first?
 A Its connection/port B Power supply
 C CMOS battery D Printer Cable

Part – B (Do as Directed)

(10)

- 1 A _____ is a program in execution.
- 2 Linux is a free and open-source operating system. (True/False)
- 3 The _____ is the lowest layer of the operating system.
- 4 Preemptive scheduling allows processes to run until they complete. (True/False)
- 5 The component responsible for loading the BIOS during PC startup is called the _____.
- 6 _____ software assists users in performing specific tasks like word processing or drawing.
- 7 The address generated by the CPU is called _____ address.
- 8 You need a floppy disk to install SATA or RAID drivers during XP install. (True/False)
- 9 If a UPS emits no alarms, it does not need maintenance. (True/False)
- 10 The _____ tab in the System Properties window allows access to Device Manager.
