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Name of the Bundle	Advanced Bundle V2	Subject	System Administration
Topic	Firmware Software (BIOS & UEFI)	Last updated on	23 January 2026

1. What is firmware?

- A. Application software
- B. Built-in software that controls hardware
- C. Utility software
- D. Programming language

Ans: B. Built-in software that controls hardware

Explanation: Firmware is built into a device and controls how the hardware works.

2. Firmware mainly provides_____.

- A. User interaction
- B. Internet services
- C. Low-level hardware control
- D. File management

Ans: C. Low-level hardware control

Explanation: Firmware works at a low level to control hardware operations.

3. Firmware is usually stored in_____.

- A. RAM
- B. Hard disk
- C. ROM
- D. Cache memory

Ans: C. ROM

Explanation: Firmware is stored in ROM, which is permanent memory.

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4. Which memory keeps the firmware even when the power is off?

- A. RAM
- B. Cache
- C. Register
- D. ROM

Ans: D. ROM

Explanation: ROM does not lose data when power is turned off.

5. Firmware controls_____.

- A. Documents and files
- B. Hardware operations
- C. Internet browsing
- D. Games

Ans: B. Hardware operations

Explanation: Firmware directly controls the working of hardware components.

6. Which of the following devices uses firmware?

- A. Printer
- B. Router
- C. Washing machine
- D. All of the above

Ans: D. All of the above

Explanation: Firmware is used in many electronic devices to control hardware.

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7. Which software starts a computer and checks the hardware?

- A. Application software
- B. Operating system
- C. Firmware
- D. Utility software

Ans: C. Firmware

Explanation: Firmware like BIOS starts the computer and checks the hardware.

8. Firmware is best described as_____.

- A. Temporary software
- B. High-level software
- C. Hardware-specific software
- D. Entertainment software

Ans: C. Hardware-specific software

Explanation: Firmware is designed for specific hardware devices.

9. Can firmware be updated?

- A. No, never
- B. Yes, sometimes
- C. Only once
- D. Only by replacing hardware

Ans: B. Yes, sometimes

Explanation: Some firmware can be updated, but updates are limited and controlled.

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10. Firmware usually starts_____.

- A. After applications
- B. After shutdown
- C. Before the operating system
- D. Only when the internet is on

Ans: C. Before the operating system

Explanation: Firmware initializes hardware before the OS loads.

11. Which of the following is an example of firmware software?

- A. Microsoft Word
- B. Windows OS
- C. BIOS
- D. Google Chrome

Ans: C. BIOS

Explanation: BIOS is firmware software that controls hardware during startup.

12. The main function of an Operating System is to_____.

- A. Design hardware
- B. Control and manage computer resources
- C. Store data permanently
- D. Repair hardware

Ans: B. Control and manage computer resources

Explanation: The operating system manages hardware, software, memory, and processes.

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13. The Operating System acts as a bridge between_____.

- A. User and application software
- B. Hardware and firmware
- C. User and hardware
- D. ROM and RAM

Ans: C. User and hardware

Explanation: The OS allows users to interact with computer hardware.

14. Which software runs before the Operating System?

- A. Application software
- B. Utility software
- C. Firmware
- D. Word processor

Ans: C. Firmware

Explanation: Firmware starts first and prepares the system to load the OS.

15. BIOS stands for_____.

- A. Basic Input Output System
- B. Binary Input Output System
- C. Built-in Input Output Software
- D. Basic Internal Operating System

Ans: A. Basic Input Output System

Explanation: BIOS is the traditional firmware used to start a computer.

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16. BIOS is an example of_____.

- A. Application software
- B. Operating system
- C. Firmware software
- D. Utility software

Ans: C. Firmware software

Explanation: BIOS is built-in software that controls hardware at startup.

17. UEFI stands for_____.

- A. Universal Extended Firmware Interface
- B. Unified Extensible Firmware Interface
- C. User Extensible Firmware Interface
- D. Updated External Firmware Interface

Ans: B. Unified Extensible Firmware Interface

Explanation: UEFI is the modern replacement for BIOS.

18. UEFI is better than BIOS because it_____.

- A. Is slower
- B. Supports larger hard drives
- C. Has no security features
- D. Cannot be updated

Ans: B. Supports larger hard drives

Explanation: UEFI supports modern hardware and large storage devices.

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19. Which firmware loads the operating system faster?

- A. BIOS
- B. UEFI
- C. Utility software
- D. Application software

Ans: B. UEFI

Explanation: UEFI has faster boot times compared to BIOS.

20. Which firmware type supports Secure Boot?

- A. BIOS
- B. DOS
- C. UEFI
- D. Linux

Ans: C. UEFI

Explanation: Secure Boot is a security feature provided by UEFI.

21. UEFI firmware supports____.

- A. Only keyboard input
- B. Mouse and graphical interface
- C. Only the command line
- D. No user interface

Ans: B. Mouse and graphical interface

Explanation: UEFI provides a graphical user interface.

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22. BIOS uses which interface?

- A. Graphical interface
- B. Touch interface
- C. Voice-controlled interface
- D. Text-based interface

Ans: D. Text-based interface

Explanation: Traditional BIOS uses a simple text-based interface.

23. What is the first function of BIOS?

- A. Open applications
- B. Identify, test, and initialize system devices
- C. Load user files
- D. Connect to the internet

Ans: B. Identify, test, and initialize system devices

Explanation: BIOS checks and prepares hardware components.

24. BIOS sets the hardware into____.

- A. Sleep mode
- B. Unknown state
- C. Known state
- D. Power-saving state

Ans: C. Known state

Explanation: BIOS prepares hardware into a known working state.



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25. What does POST stand for in BIOS?

- A. Power-On System Test
- B. Power-On Self Test
- C. Peripheral Output System Test
- D. Pre-Operating System Test

Ans: B. Power-On Self Test

Explanation: POST is the process where BIOS checks the hardware when the computer starts.

26. What is the main purpose of POST?

- A. Load applications
- B. Install the operating system
- C. Check and test computer hardware
- D. Connect to the internet

Ans: C. Check and test computer hardware

Explanation: POST tests memory, keyboard, drives, and other hardware.

27. Which BIOS function tests drives, memory, and keyboard?

- A. Bootstrap Loader
- B. POST
- C. Operating System
- D. UEFI

Ans: B. POST

Explanation: POST verifies that essential hardware components are working properly.

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28. What happens if POST detects a hardware problem?

- A. The OS loads normally
- B. The computer beeps or shows an error
- C. The BIOS updates automatically
- D. Nothing happens

Ans: B. The computer beeps or shows an error

Explanation: POST alerts the user to hardware issues.

29. The main sequence of BIOS functions at startup is_____.

- A. Load OS → POST
- B. Test network → Start OS
- C. Start applications → Load OS
- D. POST → Load OS (Bootstrap Loader)

Ans: D. POST → Load OS (Bootstrap Loader)

Explanation: BIOS first tests hardware (POST), then loads the OS via Bootstrap Loader.

30. What can BIOS or CMOS Setup configure?

- A. Internet connection
- B. System clock, boot sequence, passwords
- C. Web browser settings
- D. Video game settings

Ans: B. System clock, boot sequence, passwords

Explanation: BIOS/CMOS Setup allows configuration of basic hardware settings.

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31. BIOS Drivers operate at which level?

- A. High-level application
- B. User interface level
- C. Low-level hardware
- D. Operating system only

Ans: C. Low-level hardware

Explanation: They provide programs that interact directly with hardware.

32. UEFI firmware is_____.

- A. Only for mobile devices
- B. Modern firmware for PCs
- C. High-level application software
- D. Internet software

Ans: B. Modern firmware for PCs

Explanation: UEFI is firmware that works at a low level to control PC hardware.

33. UEFI replaces which traditional firmware?

- A. POST
- B. Bootstrap Loader
- C. BIOS
- D. CMOS

Ans: C. BIOS

Explanation: UEFI is designed to replace the older BIOS system.

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34. UEFI can support_____.

- A. Only 1 TB drives
- B. Drives larger than 2 TB
- C. Only floppy disks
- D. Only network drives

Ans: B. Drives larger than 2 TB

Explanation: One key feature of UEFI is support for large-capacity storage.

35. What does the ESP in UEFI stand for?

- A. Extended System Partition
- B. EFI System Partition
- C. External Software Partition
- D. Enhanced Security Partition

Ans: B. EFI System Partition

Explanation: ESP is a special partition that stores boot loaders and other startup files for UEFI.

36. One advantage of using the ESP with UEFI is_____.

- A. Slower booting
- B. No operating system support
- C. Requires more hardware
- D. Saves the BIOS self-test process

Ans: D. Saves the BIOS self-test process

Explanation: UEFI skips the full BIOS self-test, making booting faster.

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37. Old or Legacy Boot is a feature of_____.

- A. UEFI
- B. BIOS
- C. Operating System
- D. Firmware

Ans: B. BIOS

Explanation: Legacy Boot is the traditional method used by BIOS firmware.

38. Legacy BIOS boot is based on_____.

- A. GPT
- B. MBR
- C. UEFI
- D. SSD

Ans: B. MBR

Explanation: BIOS uses the Master Boot Record (MBR) partitioning scheme.

39. Which partition method is used by UEFI?

- A. MBR
- B. DOS
- C. GPT
- D. BIOS

Ans: C. GPT

Explanation: UEFI requires GPT to support large drives and advanced features.

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40. What does MBR stand for?

- A. Master Boot Record
- B. Main Binary Register
- C. Memory Boot Register
- D. Master Backup Record

Ans: A. Master Boot Record

Explanation: MBR is the traditional method of partitioning a disk.

41. What does GPT stand for?

- A. General Partition Table
- B. GUID Partition Table
- C. Global Partition Technology
- D. General Purpose Table

Ans: B. GUID Partition Table

Explanation: GPT is the modern partitioning method used by UEFI.

42. Which partition type supports drives larger than 2 TB?

- A. GPT
- B. MBR
- C. Both
- D. None

Ans: A. GPT

Explanation: GPT can handle very large disks, unlike MBR.

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43. How many primary partitions does MBR support?

- A. 2
- B. 4
- C. 8
- D. 128

Ans: B. 4

Explanation: MBR can have up to 4 primary partitions.

44. How many partitions does GPT support (Windows)?

- A. 4
- B. 16
- C. 128
- D. Unlimited

Ans: C. 128

Explanation: GPT supports up to 128 partitions in Windows.

45. BIOS is considered_____.

- A. Modern firmware
- B. Legacy firmware
- C. Application software
- D. Operating system

Ans: B. Legacy firmware

Explanation: Traditional BIOS firmware is called legacy firmware.

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46. Which key is typically used to access UEFI settings during system startup?

- A. F1
- B. F2
- C. Delete
- D. All of the above

Ans: D. All of the above

Explanation: Depending on the manufacturer, different keys (such as F1, F2, Delete, or Esc) may be used to access UEFI settings during the startup of the computer.

47. Which partitioning scheme uses extended and logical partitions?

- A. GPT
- B. UEFI
- C. MBR
- D. FAT32

Ans: C. MBR

Explanation: MBR uses extended and logical partitions to overcome its four-primary-partition limitation.