

# Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - –Hardware and Operating Systems II

Course Code - BNCSC202

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Answer all the questions. Each question carry one mark.

9. 1. What is full form of CPU?

*Mark only one oval.*

- Central Priority Unit
- Central Processing Unit
- Central Process Unique
- Central Purpose Unit

10. 2. What function does the external data bus have in the PC?

*Mark only one oval.*

- The external data bus determines the clock speed for the CPU.
- The CPU uses the external data bus to address RAM.
- The external data bus provides a channel for the flow of data and commands between the CPU and RAM
- The CPU uses the external data bus to access registers.

11. 3. Which of the following form factors dominates the PC industry?

*Mark only one oval.*

- AT
- ATX
- ITX
- CTX

12. 4. Which of the following connectors is used for musical equipment?

*Mark only one oval.*

- PS/2
- MIDI
- DVI
- HDMI

13. 5. When choosing a new motherboard, what should be your first consideration?

*Mark only one oval.*

- Form Factor
- Desired CPU
- Price
- Feature Set

14. 6. Where do you connect an anti-static wrist strap?

*Mark only one oval.*

- To an anti-static plate on the computer
- To an electrical outlet
- To a handy metal part of the case
- To a non-static wrist strap

15. 7. A 15 pin, three row, female connector on the back of a PC would be used for?

*Mark only one oval.*

- VGA/SVGA Port
- Serial Port
- Parallel Port
- HDMI Port

16. 8. What voltages does an ATX12V P1 connector provide for the motherboard?

*Mark only one oval.*

- 3.3 V, 5 V
- 3.3 V, 12 V
- 5 V, 12 V
- 3.3 V, 5 V, 12 V

17. 9. How can you reduce the chance of ESD?

*Mark only one oval.*

- Raise the temperature.
- Lower the humidity.
- Work in a carpeted area.
- Use an antistatic strap.

18. 10. A Power Supply is rated in?

*Mark only one oval.*

- Watts
- Coulombs
- Ampere
- Volts

19. 11. What must never be connected to the same UPS the PC is using?

*Mark only one oval.*

- laser printer
- System unit
- Monitor
- Keyboard

20. 12. What type of printer is most likely to use a continuous form feeder?

*Mark only one oval.*

- Laser printer
- Dot-matrix
- InkJet
- All of these

21. 13. Why is the print drum given a negative charge?

*Mark only one oval.*

- To attract the toner to every area of the drum
- To attract the toner to the areas of the drum that have a stronger negative charge
- To attract the toner to the areas of the drum that have a weaker negative charge
- To attract the positively charged paper to the print drum



22. 14. What is another name for a dot-matrix printer?

*Mark only one oval.*

- Impact printer
- Page printer
- Spray printer
- USB

23. 15. What is the processor on a video card called?

*Mark only one oval.*

- CPU
- GPU
- GDDR
- MPU

24. 16. Which two technologies are used for backlights in LCD monitors?

*Mark only one oval.*

- CCFL and LED
- CCFL and LCD
- CCFL and AC
- HDMI and DisplayPort

25. 17. A label with the term “WARNING!” on it means what?

*Mark only one oval.*

- A software malfunction
- A fire alarm
- A Potential for personal injury
- A Potential for Hardware malfunction

26. 18. We can align electron guns with help of

*Mark only one oval.*

- shadow mask
- resolution
- pixel
- refresh

27. 19. Video controller also feature their own built-in

*Mark only one oval.*

- RAM
- SRAM
- VRAM
- DRAM

28. 20. Which RAID type provides 100% fault tolerance?

*Mark only one oval.*

- RAID 0
- RAID 1
- RAID 2
- RAID 3

29. 21. What is a main feature of the active partition of a hard drive that is using MBR?

*Mark only one oval.*

- The Operating System uses the active drive to boot the system
- The active partition is the only Primary partition.
- There can be multiple active partitions.
- Active partitions are considered RAM.

30. 22. CPU can access which type of memory directly?

*Mark only one oval.*

- random-access memory
- magnetic disk
- magnetic tape
- None of these

31. 23. What do registers provide for the CPU?

*Mark only one oval.*

- Registers determine the clock speed
- The CPU uses registers for temporary storage of internal commands and data.
- Registers enable the CPU to address RAM.
- Registers enable the CPU to control the address bus.

32. 24. Which of the following terms are measures of CPU speed?

*Mark only one oval.*

- Megahertz and gigahertz
- Megabytes and gigabytes
- Megahertz and gigabytes
- Front Side bus, backside bus

33. 25. Which feature enables a single-core CPU to function like two CPUs?

*Mark only one oval.*

- Hyper-Threading
- SpeedStep
- Virtualization
- x64

34. 26. Darren has installed a new CPU in a client's computer, but nothing happens when he pushes the power button on the case. The LED on the motherboard is lit up, so he knows the system has power. What could the problem be?

*Mark only one oval.*

- He forgot to disconnect the CPU fan.
- He forgot to apply thermal compound between the CPU and the heat-sink and fan assembly.
- He used an AMD CPU in an Intel motherboard.
- He used an Intel CPU in an AMD motherboard.

35. 27. Amanda bought a new system that, right in the middle of an important presentation, gave her a Blue Screen of Death. Now her system won't boot at all, not even to CMOS. After extensive troubleshooting, she determined that the motherboard was at fault and replaced it. Now the system runs fine. What was the most likely cause of the problem?

*Mark only one oval.*

- Burn-in failure
- Electrostatic discharge
- Component failure
- Power supply failure

36. 28. Solon has a very buggy computer that keeps locking up at odd moments and rebooting spontaneously. He suspects the motherboard. How should he test it?

*Mark only one oval.*

- Check settings and verify good components.
- Verify good components and document all testing.
- Replace the motherboard first to see if the problems disappear.
- Check settings, verify good components, replace components, and document all testing

37. 29. Each switch and LED on the front panel of a computer case has a connector attached to it that must be attached to the appropriate pins on the:

*Mark only one oval.*

- Riser card
- Expansion slot
- Motherboard
- Power supply

38. 30. What is the main advantage of selecting a 64-bit operating system over a 32-bit operating system?

*Mark only one oval.*

- The ability to run multiple 16-bit programs in separate memory spaces
- The ability to use unsigned drivers
- The ability to access more than 4 GB of RAM
- The ability to use software-based data execution prevention (DEP)

39. 31. What is the full form of IRQ

*Mark only one oval.*

- Interrupt Requisition
- Interrupt Request
- Internal Requisition
- Internal Request

40. 32. A path of circuitry that connects the CPU to the expansion slots is called?

*Mark only one oval.*

- Wire
- Bus
- Connections
- Link

41. 33. What sort of connector does a typical network interface card have?

*Mark only one oval.*

- DB-9
- Mini-DIN
- RJ-11
- RJ-45

42. 34. A modern printer usually plugs into which of the following ports?

*Mark only one oval.*

- DB-9
- DB-25
- Mini-DIN
- USB

43. 35. What is the correct boot sequence for a PC?

*Mark only one oval.*

- CPU, POST, power good, boot loader, operating system
- POST, power good, CPU, boot loader, operating system
- Power good, boot loader, CPU, POST, operating system
- Power good, CPU, POST, boot loader, operating system

44. 36. What does DMA stand for?

*Mark only one oval.*

- Direct Module Access
- Directory Memory Access
- Direct Memory Address
- Direct Memory Access

45. 37. What sort of power connector does a floppy disk drive typically use?

*Mark only one oval.*

- Molex
- Mini
- Sub-mini
- Micro



46. 38. What voltages should the two hot wires on a Molex connector read?

*Mark only one oval.*

- Red = 3.3 V; Yellow = 5 V
- Red = 5 V; Yellow = 12 V
- Red = 12 V; Yellow = 5 V
- Red = 5 V; Yellow = 3.3 V

47. 39. A PC's power supply provides DC power in what standard configuration?

*Mark only one oval.*

- Two primary voltage rails, 12 volts and 5 volts, and an auxiliary 3.3 volt connector
- Three primary voltage rails, one each for 12-volt, 5-volt, and 3.3-volt connectors
- One primary DC voltage rail for 12-volt, 5-volt, and 3.3-volt connectors
- One voltage rail with a 12-volt connector for the motherboard, a second voltage rail with a 12-volt connector for the CPU, and a third voltage rail for the 5-volt and 3.3-volt connectors

48. 40. How many pins does a SATA power connector have?

*Mark only one oval.*

- 6
- 9
- 12
- 15

49. 41. Main motherboard power connectors typically consist of:

*Mark only one oval.*

- 40 pins
- 24 pins
- 34 pins
- 68 pins

50. 42. When working on a computer, which of the following should you disconnect to prevent electrical shock?

*Mark only one oval.*

- Printer
- Mouse
- Power cord
- Telephone cord

51. 43. Which function is performed by the external power supply of a laptop?

*Mark only one oval.*

- Stores power
- Increases voltage
- Converts AC power to DC power
- Converts DC power to AC power

52. 44. ESD occurs between two objects that have?

*Mark only one oval.*

- Different Densities
- Different electrical potentials
- Different heights
- Different Magnetic Poles

53. 45. With a laser printer, what creates the image on the photosensitive drum?

*Mark only one oval.*

- Primary corona
- Laser imaging unit
- Transfer corona
- Toner

54. 46. Which of these items are considered to be dot-matrix printer consumables?

*Mark only one oval.*

- Drive motor
- Print Head
- Flywheel
- Ribbon

55. 47. A standalone printer prints a test page just fine, but it makes gobbledygook out of your term paper. What is probably wrong?

*Mark only one oval.*

- Out of toner
- Fuser error
- Printer interface
- Faulty software configuration

56. 48. Which tool would help you determine why a print job didn't print?

*Mark only one oval.*

- Printer driver
- Printer setup
- Print spooler
- System setup

57. 49. On a laser printer, what moves the toner from the drum to the paper?

*Mark only one oval.*

- Primary Corona
- Transfer Corona
- Laser Beam
- Prism

58. 50. How does a thermal printer produce images?

*Mark only one oval.*

- With heat and special thermal paper
- With inkjet process
- With laser printing technologies
- With impact procedure

59. 51. Printer in which output is printed by use of light beam and particles of ink infused on paper is best classified as

*Mark only one oval.*

- character printer
- line printers
- laser printer
- beam printer

60. 52. Type of printer in which characters or letters are formed without use of any mechanical impact is termed as

*Mark only one oval.*

- page printers
- line printers
- impact printer
- non impact printer

61. 53. Which of the following devices gives the paper a positive charge?

*Mark only one oval.*

- The transfer corona wire
- The laser
- The print drum
- The registration rollers

62. 54. What device removes unused toner from the print drum?

*Mark only one oval.*

- Transfer corona wire
- Static eliminator strip
- Laser
- Cleaning blade

63. 55. What causes the ink to vaporize in an inkjet printer?

*Mark only one oval.*

- Electrical pulses
- A heating element within the ink cartridge
- A solenoid in each chamber of the ink cartridge
- Drying of the ink when the cartridge has not been used for some time

64. 56. How many pins were in the early dot-matrix print heads?

*Mark only one oval.*

9

12

18

44

65. 57. What connection type allows a printer to connect to an RJ-45 connector?

*Mark only one oval.*

Parallel

SCSI

USB

Network

66. 58. What do we call the time it takes to draw the entire screen and get the electron guns back to the upper left corner?

*Mark only one oval.*

Horizontal refresh rate

Horizontal redraw rate

Vertical refresh rate

Vertical redraw rate

67. 59. Which statement best describes the difference, if any, between CRT and LCD resolution?

*Mark only one oval.*

- The CRT has a single native resolution; LCDs have no native resolution
- The CRT has three native resolutions; LCDs have no native resolution.
- The CRT has no native resolution; LCDs have three native resolutions.
- The CRT has no native resolution; LCDs have a single native resolution.

68. 60. What is WSXGA+ resolution?

*Mark only one oval.*

- 1024 – 768
- 1280 – 1024
- 1680 – 1050
- 1920 – 1080

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