

Question

Question asked by Filo student

i need 100 objective questions on computer hardware and GSM repair for ss1 1st term and 2nd term

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Updated on: Mar 19, 2026

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This collection covers fundamental computer hardware components and GSM mobile phone repair techniques suitable for secondary school levels (SS1).

Computer Hardware and GSM Repair Objective Questions

1. Which of the following is the 'brain' of the computer?
 - A) Monitor
 - B) CPU
 - C) Keyboard
 - D) RAM
2. RAM stands for:
 - A) Read Access Memory
 - B) Random Access Memory
 - C) Real Access Memory
 - D) Rapid Access Memory
3. Which component is used to store data permanently?
 - A) RAM
 - B) Hard Disk Drive
 - C) Cache
 - D) Registers
4. An example of an input device is:
 - A) Printer
 - B) Monitor
 - C) Scanner
 - D) Speaker
5. The physical parts of a computer are called:
 - A) Software
 - B) Hardware
 - C) Firmware
 - D) Malware
6. Which hardware component provides power to all other parts?
 - A) Motherboard
 - B) PSU (Power Supply Unit)
 - C) CPU
 - D) GPU
7. GSM stands for:
 - A) Global System for Mobile communications
 - B) General System for Mobile
 - C) Global Standard Mobile
 - D) Global Signal Management
8. Which tool is used to unscrew mobile phone casings?
 - A) Hammer
 - B) Precision Screwdriver set

9. Which of these is a primary input device?
- A) System Identity Module
 - B) Subscriber Identity Module
 - C) Signal Identity Module
 - D) Subscriber Information Memory
10. Which of these is a primary output device?
- A) Mouse
 - B) Keyboard
 - C) Monitor
 - D) Joystick
11. The main circuit board in a computer is the:
- A) Sound card
 - B) Motherboard
 - C) Network card
 - D) Video card
12. Which tool is used to remove or solder components on a phone PCB?
- A) Multimeter
 - B) Soldering Iron
 - C) Tweezers
 - D) Magnifying glass
13. A 'Dead' phone is one that:
- A) Has no SIM
 - B) Does not power on
 - C) Has a cracked screen
 - D) Cannot make calls
14. Which component is responsible for processing graphics?
- A) CPU
 - B) GPU
 - C) RAM
 - D) ROM
15. What is the function of a Multimeter in GSM repair?
- A) To clean the phone
 - B) To test continuity and voltage
 - C) To unscrew the phone
 - D) To flash the software
16. Which of these is a volatile memory?
- A) ROM
 - B) Hard Drive
 - C) RAM
 - D) Flash Drive
17. The 'heart' of a mobile phone where the CPU and memory reside is the:
- A) Battery
 - B) Logic Board (PCB)
 - C) Keypad
 - D) Antenna
18. Which port is commonly used to connect a mouse today?
- A) Serial Port
 - B) Parallel Port
 - C) USB Port
 - D) VGA Port
19. What does 'Flashing' a phone mean?
- A) Cleaning the screen
 - B) Reinstalling or updating the firmware/OS
 - C) Charging the battery
 - D) Replacing the camera

20. Which of the following is a storage device?
A) CPU
B) RAM
C) DVD-ROM
D) RAM
21. A liquid-damaged phone should first be:
A) Charged immediately
B) Switched on to check
C) Disassembled and cleaned with IPA
D) Put in an oven
22. IPA in GSM repair stands for:
A) International Phone Association
B) Isopropyl Alcohol
C) Internal Power Adapter
D) Internet Protocol Address
23. Which unit measures CPU speed?
A) Bits
B) Bytes
C) Hertz (GHz)
D) Amps
24. The screen of a mobile phone is also known as:
A) CPU
B) LCD/OLED
C) RAM
D) IC
25. Which component allows a computer to connect to a network?
A) NIC
B) VGA
C) PSU
D) BIOS
26. What is the standard voltage of a mobile phone battery?
A) 1.5V
B) 3.7V - 4.2V
C) 12V
D) 220V
27. Which of these is a storage device?
A) Printer
B) SSD
C) Mouse
D) Speaker
28. A 'Short Circuit' in a phone usually causes:
A) Better battery life
B) Rapid battery drain or failure to power on
C) Faster internet
D) Clearer calls
29. Which key is used to enter the BIOS setup in most computers?
A) Enter
B) F2 or Del
C) Spacebar
D) Shift
30. The small circuit that controls specific functions like charging is called:
A) CPU
B) IC (Integrated Circuit)
C) RAM
D) HDD
31. Which device is used to input sound into a computer?
A) Speaker
B) Microphone

32. What is the purpose of a heat sink?
- A) To store data
 - B) To cool the processor
 - C) To increase speed
 - D) To provide power
33. In GSM, IMEI stands for:
- A) International Mobile Equipment Identity
 - B) Internal Mobile Electronic Index
 - C) International Mobile Export ID
 - D) Integrated Mobile Equipment Identity
34. How many bits make a byte?
- A) 4
 - B) 8
 - C) 16
 - D) 32
35. Which tool is used to hold small components during soldering?
- A) Pliers
 - B) Tweezers
 - C) Screwdriver
 - D) Hammer
36. Which of these is a permanent memory chip on the motherboard?
- A) RAM
 - B) ROM
 - C) CMOS
 - D) Cache
37. A 'Buzzer' in a mobile phone is responsible for:
- A) Display
 - B) Ringtone and hands-free sound
 - C) Vibration
 - D) Signal reception
38. Which hardware is used for hard copies?
- A) Monitor
 - B) Printer
 - C) Projector
 - D) Plotter
39. What is the first step in troubleshooting a phone that won't turn on?
- A) Change the screen
 - B) Check the battery voltage
 - C) Flash the phone
 - D) Solder the CPU
40. Which cable is used to connect a monitor to a CPU?
- A) SATA
 - B) VGA/HDMI
 - C) IDE
 - D) Power cable
41. What does BIOS stand for?
- A) Basic Input Output System
 - B) Binary Input Output System
 - C) Basic Inner Operating System
 - D) Board Input Output System
42. Which part of the phone converts voice to electrical signals?
- A) Speaker
 - B) Microphone
 - C) Ringer
 - D) Vibrator

- C) Charging
 D) Connected to a PC
44. Which of these is a pointing device?
- A) Keyboard
 - B) Mouse
 - C) Monitor
 - D) Printer
45. The 'Charging Connector' is also known as the:
- A) Audio Jack
 - B) Charging Port/DC Jack
 - C) SIM Slot
 - D) Battery Connector
46. Which computer component is measured in Gigabytes (GB)?
- A) CPU Speed
 - B) RAM Capacity
 - C) Monitor Size
 - D) Power Supply
47. What is the use of a 'Soldering Paste/Flux'?
- A) To clean the phone case
 - B) To help the solder flow and stick better
 - C) To glue the screen
 - D) To charge the battery
48. Which of these is an external hardware?
- A) RAM
 - B) Hard Drive
 - C) Keyboard
 - D) Motherboard
49. If a phone has 'No Signal', which section should be checked?
- A) Audio section
 - B) Power section
 - C) RF (Radio Frequency) section
 - D) Charging section
50. Which storage is fastest?
- A) HDD
 - B) SSD
 - C) DVD
 - D) Floppy Disk
51. What is the function of the CMOS battery?
- A) To power the monitor
 - B) To keep the system time and BIOS settings
 - C) To run the CPU
 - D) To charge the laptop
52. A 'Touch Screen' is both an input and output device.
- A) True
 - B) False
53. Which component is used to vibrate a phone?
- A) Speaker
 - B) Vibrator Motor
 - C) Microphone
 - D) IC
54. What does USB stand for?
- A) Universal Serial Bus
 - B) United Serial Bus
 - C) Universal System Board
 - D) Unit Serial Bus

- C) Hair Dryer
D) Lighter
56. The resolution of a monitor is measured in:
A) Inches
B) Pixels
C) Watts
D) Hertz
57. Which part of the computer performs arithmetic calculations?
A) Control Unit
B) ALU (Arithmetic Logic Unit)
C) Memory Unit
D) Input Unit
58. A 'Jumper' in GSM repair is used to:
A) Break a connection
B) Bypass a broken track on the PCB
C) Increase battery life
D) Clean the phone
59. Which of these is a high-definition video interface?
A) VGA
B) HDMI
C) PS/2
D) Serial
60. What is the main cause of 'White Display' in phones?
A) Low battery
B) Faulty LCD or loose display connector
C) No SIM card
D) Software virus
61. Which hardware is used to enter text into the computer?
A) Mouse
B) Keyboard
C) Scanner
D) Printer
62. The process of starting a computer is called:
A) Running
B) Booting
C) Loading
D) Processing
63. Which component is the 'Ear-piece' in a phone?
A) Ringer
B) Speaker used for hearing calls
C) Microphone
D) Vibrator
64. What is the capacity of a standard CD-ROM?
A) 700 MB
B) 4.7 GB
C) 1 TB
D) 1.44 MB
65. ESD stands for:
A) Electronic System Design
B) Electrostatic Discharge
C) Electric Signal Device
D) Easy System Data
66. Which of these is used to prevent ESD damage?
A) Rubber gloves
B) Anti-static wrist strap

67. A keyboard is a type of...
- A) Keyboard
 - B) Mouse
 - C) Printer
 - D) Monitor
68. Which IC controls the charging process in a mobile phone?
- A) CPU
 - B) Power IC / Charging IC
 - C) Flash IC
 - D) Audio IC
69. What is the purpose of a 'DC Power Supply' machine in a repair shop?
- A) To play music
 - B) To provide variable voltage to test phones without batteries
 - C) To charge the technician's laptop
 - D) To clean the PCB
70. Which of these is a 'Soft' reset?
- A) Removing the battery
 - B) Restarting via the menu
 - C) Formatting the phone
 - D) Flashing the firmware
71. The 'Binary System' uses which two digits?
- A) 1 and 2
 - B) 0 and 1
 - C) A and B
 - D) 1 and 10
72. Which hardware connects the CPU to the RAM?
- A) Expansion Bus
 - B) System Bus
 - C) Power Cable
 - D) USB
73. A 'Keypad' problem in a basic phone is often caused by:
- A) Low signal
 - B) Carbon buildup or faulty Keypad IC
 - C) Dead battery
 - D) Broken antenna
74. Which of these is an example of an Operating System?
- A) Microsoft Word
 - B) Windows 10
 - C) Google Chrome
 - D) VLC Player
75. What is the function of the 'Power Button' on a phone?
- A) To increase volume
 - B) To trigger the boot process
 - C) To take photos
 - D) To send messages
76. Which port is used for high-speed internet via cable?
- A) USB
 - B) Ethernet (RJ45)
 - C) VGA
 - D) Audio
77. 'Hardware' cannot work without 'Software'.
- A) True
 - B) False
78. Which tool is used to open 'Snap-on' phone covers?
- A) Metal pry tool / Spudger
 - B) Hammer

77. What does formatting a hard drive do?
- A) Cleans the dust
 - B) Erases all data and prepares the file system
 - C) Increases the physical size
 - D) Repairs broken sectors
80. A 'Network Unlock' is needed when:
- A) The phone is dead
 - B) The phone is restricted to a specific carrier/SIM
 - C) The screen is broken
 - D) The battery is low
81. Which of these is a peripheral device?
- A) CPU
 - B) Motherboard
 - C) Printer
 - D) RAM
82. The 'UI' in software stands for:
- A) User Interface
 - B) Unit Integration
 - C) Universal Interface
 - D) User Information
83. Which component stores the phone's OS and user data?
- A) RAM
 - B) Flash Memory / EMMC
 - C) SIM Card
 - D) Battery
84. What is the result of 'Overclocking'?
- A) Slower speed
 - B) Running hardware at higher than rated speed
 - C) Saving power
 - D) Cooling the system
85. Which of these is a mobile OS?
- A) Windows 11
 - B) Android
 - C) macOS
 - D) Linux Mint
86. A 'BGA' chip stands for:
- A) Binary Grid Array
 - B) Ball Grid Array
 - C) Basic Graphics Adapter
 - D) Board Gate Array
87. Which device is used to protect a computer from power surges?
- A) UPS / Surge Protector
 - B) Mouse Pad
 - C) Cooling Fan
 - D) USB Hub
88. What is 'Soldering'?
- A) Gluing plastic
 - B) Joining metal parts using a filler metal (solder)
 - C) Cleaning a screen
 - D) Programming a chip
89. Which of these is a 'Input' device for a phone?
- A) Speaker
 - B) Screen (Display)
 - C) Microphone
 - D) Vibrator

- by [filo](#) (12)
- C) Volts
D) Amps
91. What is the 'Firmware' of a phone?
A) The plastic case
B) The permanent software programmed into the hardware
C) The battery
D) The charger
92. Which part of the computer is used to play games with high graphics?
A) Sound Card
B) Graphics Card (Video Card)
C) Network Card
D) Modem
93. A 'Dry Solder' joint is:
A) A perfect connection
B) A weak or broken electrical connection
C) A wet connection
D) A type of glue
94. Which of these is a 'Storage' unit?
A) Kilogram
B) Terabyte
C) Kilometer
D) Liter
95. What is the use of 'Thinner' or 'PCB Cleaner'?
A) To drink
B) To clean corrosion and dust from the circuit board
C) To stick the screen
D) To polish the case
96. Which component is responsible for 'Wi-Fi' in a phone?
A) Power IC
B) Wi-Fi/Bluetooth IC
C) Audio IC
D) SIM Tray
97. 'Plug and Play' refers to:
A) Devices that work immediately when connected
B) Playing games
C) Charging a phone
D) Turning off the PC
98. What is the 'Backlight' in a phone?
A) The flash for the camera
B) The light that illuminates the LCD screen
C) The light on the keypad
D) The battery indicator
99. Which of these is a 'Output' device for a computer?
A) Keyboard
B) Mouse
C) Projector
D) Microphone
100. The 'Motherboard' is also known as the:
A) Mainboard
B) Daughterboard
C) Breadboard
D) Keypad
-

- 2. B | 12. B | 13. B | 14. B | 15. B | 16. C | 17. B | 18. C | 19. B | 20. C
- 3. C | 22. B | 23. C | 24. B | 25. A | 26. B | 27. B | 28. B | 29. B | 30. B
- 4. B | 32. B | 33. A | 34. B | 35. B | 36. B | 37. B | 38. B | 39. B | 40. B
- 5. A | 42. B | 43. B | 44. B | 45. B | 46. B | 47. B | 48. C | 49. C | 50. B
- 6. B | 52. A | 53. B | 54. A | 55. B | 56. B | 57. B | 58. B | 59. B | 60. B
- 7. B | 62. B | 63. B | 64. A | 65. B | 66. B | 67. B | 68. B | 69. B | 70. B
- 8. B | 72. B | 73. B | 74. B | 75. B | 76. B | 77. A | 78. A | 79. B | 80. B
- 9. C | 82. A | 83. B | 84. B | 85. B | 86. B | 87. A | 88. B | 89. C | 90. B
- 10. B | 92. B | 93. B | 94. B | 95. B | 96. B | 97. A | 98. B | 99. C | 100. A

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Options: $2^3 \times 3^5 \times 5^8 \times 7^3$ $3^5 \times 5^8$ $3^5 \times 5^8 \times 7^3$ $5^8 \times 7^3$

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