COMPUTER STUDIES FOR JUNIOR CERTIFICATE

1) Define the following terms as used in computer studies:
- Computer
- Computer system
- Central processing unit
- Data
- Processing
- Information
- System unit

2) Mention any 3 importance of computer?
3) Which are the 4 main components of a computer?
4) What is the difference between computer hardware and software?
5) What is another name of CPU?
6) State the different parts that make up a computer?
7) Label the following parts of computer; 1, 2, 3, 4, 5, 6, 7?

8) Differentiate the following types of computers:
- Supercomputer and mainframe
- Minicomputer and a PC
- Digital and analog computer

9) Give ay 2 reasons why smaller computers like laptops tend to be more expensive than desktop computers?

10) Match the following generations of computers with the technology used to develop them:

#	Type of generation	Match with the following
1	First generation	AVLIC
2	Second generation	Transistor
3	Third generation	Integrated circuits
4	Fourth generation	Vacuum tubes

11) What does the following abbreviations mean?
- CPU

- PC
- RAM

12) State the parts that make up a computer?
13) What is the use of RAM?
14) What is artificial intelligence?
15) What are peripheral devices?
16) Explain 2 types of computer memory? And give example on each?
17) What is the difference between primary memory and secondary memory/
18) What type of computer memory is also called:
- Internal memory
- Storage device
- Removable storage
- Main memory

19) Mention any 2 parts of computer that make up peripheral device?
20) What is the difference between floppy disk drive and DVD drives?
21) Mention any 3 characteristics of first-generation computers?
22) State any 2 advantages and any 2 disadvantages of first-generation computers?
23) Mention any 3 characteristics of second-generation computers?
24) Mention any 3 advantages and any 3 disadvantages of second-generation computers?
25) State any 3 characteristics of third generation computers?
26) State any 2 advantages and any 2 disadvantages of third generation computers?
27) Give any 3 characteristics of fourth generation computers?
28) Give any 2 advantages and any 2 disadvantages of fourth generation computers?
29) Mention any 3 characteristics of fifth generation of computers?
30) What are the 3 classifications of computers? **Give examples on each classification?**
31) What is the difference between the following?
- Min computers and mainframe computers
- Microcomputers and min computers

32) Why micro computers are called by its name?
33) Mention the 3 types of microcomputers?
34) Explain why desktops are not portable?
35) Mention any 3 advantages of laptops and any 3 disadvantages of laptops?
36) What is the difference between the following?
- Digital computer and hybrid computers?
- General purpose computer and special purpose computer?

37) What are analog computers?
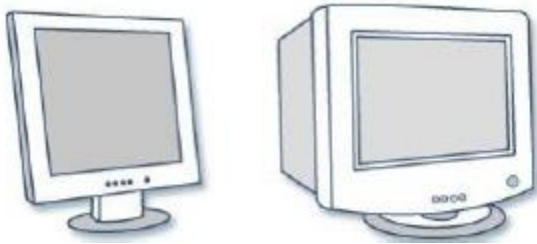38) What are dedicated computers?
39) Define the term "computer laboratory?"
40) Define the term, "laboratory safety precautions and practices?"
41) Explain any 4-laboratory safety and precaution measures which should be kept in mind when using computer laboratory?
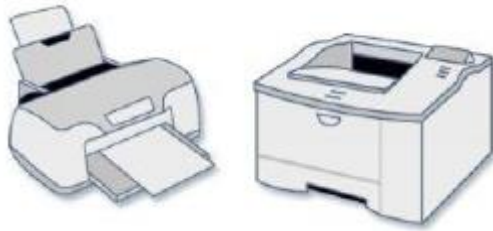42) Define the term, "starting up (booting) computer?
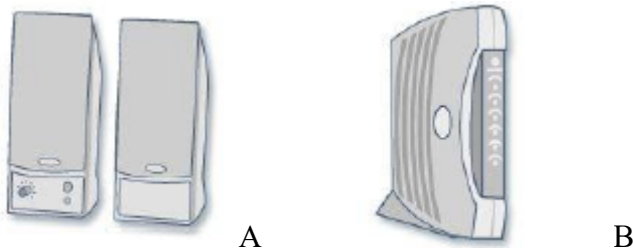43) Explain the 2 types of booting?

44) What is mouse?
45) State any 3 parts of mouse?
46) What is computer monitor?
47) Give the 2 types of monitors?
48) Identify the following and name them, A and B?

49) What is the main use of the wheel which is found between mouse buttons?
50) Explain the 5 techniques of mouse?
51) What is the use of printer?
52) Mention the 2 types of printers?
53) Identify the following pictures and name them, A and B?

54) Differentiate between the following:
- Cold booting and warm booting
- Function keys and special PC keys
55) What is the function of keyboard?
56) Explain the categories of keys found on a standard keyboard.
57) What makes a mouse move a pointer on the screen?
58) Identify the pictures A and B and name them and mention how they are used?

A   B

59) Explain the correct procedure for shutting down one computer?
60) What is the difference between system software and application software?
61) Explain any 3 types of system software?

62) Explain any 3 types of application software?
63) Define the following terms:
- Clicking
- Double clicking
- Drag and drop
- Right clicking
- Mouse pointer

64) Explain why smoke and dust particles are harmful to a computer.
65) Explain the emerging trends in microcomputer technology in relation to size.
66) Describe the ideal environment for a computer to work properly.
67) Explain the term *system unit* and name some of components found in it.
68) What is booting?
69) Explain what happens in the computer during the booting process?
70) State one reason why a computer needs to be connected to a stable power source.
71) Give two examples of special purpose computers?