

COMPUTER LITERACY

1. (a) Define the term computer literacy?

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(b) What factors must be considered when preparing a computer laboratory?

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2. Give any five rules and regulations that must be followed in and around a computer laboratory.

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3. What protective measures can be performed in the computer laboratory for computer safety?

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4. (a) Explain three causes of fire accidents in a computer laboratory.

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5. (b) Suggest two ways how fire outbreak can be prevented in the computer laboratory.

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6. (c) Why is it advisable to use fire extinguishers filled with gases instead of those filled with water?

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7. (a) Define the term booting?

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(b) What is the difference between warm booting and cold booting?

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8. Describe briefly the booting processes of a personal computer using the window operating system (Cold booting)

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9. The booting process has got several backend processes to the attainment of the computer's run time environment. Explain three backend booting processes.

10. What kind of information does the BIOS of a personal computer contain?

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11.(a) Name four kinds of configuration information stored in the CMOS of a P.C.

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12.(b) Describe how to perform a warm boot under the windows environment.

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13. Write short notes about the following;

(a) Memory resident

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(b) Software upgrading

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(c) Software updating

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(d) Software installation

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14.(a) Define the term trouble shooting?

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15.(b) Outline any problems one may expect while using Windows.

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(c) Causes of these problems

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16.State three ways in which one can troubleshoot a computer that has malfunctioned.

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17.Under what circumstances may a user be required to perform warm booting?

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18. Mr. Senkasi has just bought a new computer with 50GB hard disk and 512MB RAM. Senkasi wants to use this computer to perform various tasks simultaneously but most of the time the computer freezes and he ends up restarting it.

a) Briefly explain the reasons why Senkasi's computer freezes.

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b) Suggest the possible solutions to Senkasi's problems.

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19. Give any 3 health issues associated with prolonged use of computers? Suggest possible prevention measures for each of the problems.

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20. Define the term ergonomics.

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21. Servicing computers is an activity which should be done regularly. Give four reasons why computers should be serviced regularly.

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22.a) Outline any five risks associated with data stored in a computer.

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b) Give any five practices that can ensure safety of data stored in a computer.

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23. Give the environmental problems caused by the use of computers.

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24.a) Briefly explain the concept of *green computing*.

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b) State any elements of green computing.

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c) State any advantages of green computing.

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25. A problem with some computers in the computer lab was reported to a lab technician. Two of the technician's recommendations were for the school to install gadgets to regulate temperatures and also buying a woolen carpet for the computer lab.

Give the benefits of the following tools as recommended by the technician;

I. Air conditioner

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II. Woolen carpet

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III. Cable insulators

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IV. Fire extinguisher

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26.a) Name one tool used to remove dust from a computer.

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b) Give reasons why one would require the following in the computer lab.

(i) Uninterruptible Power Supply.

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(ii) LCD Projector

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27.a) State two steps that must be followed to safely shutdown a computer.

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b) Briefly explain the following computer terms

i. Hibernate

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ii. Shut down

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iii. Log off

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iv. Switch user

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END

