

21st April 2020

Computers in Society Course

Name of the course: Computers Today

Learning Objectives

Part 1 -

1. The learner shall list the diverse applications of computers.
 - a. Teaching Method – Lecture material from instructor, presented in slide form for self learning.
 - b. Teaching Materials – Self Learning Slides (SLS), internet connectivity on desktop or laptop computer.
 - c. Evaluation – Learner can list down the correct computer applications.
 - d. Lesson content –
 - i. Computers in the homes.
 1. Computers as a time saving and cost snipping communication gadget in the household.
 2. Information sharing capability in computers.
 - ii. Computers at work.
 1. Computers are used for producing work; this can be brochure (advertising pamphlets) production, birthday cards, wedding cards, Newsletters, etc.
 2. Sharing reports.
 3. Instructions on tasks to be performed.
 4. Follow up of issues.
 5. Keeping various Records.

- iii. Computers in Aviation.
 - 1. Passenger information.
 - 2. Flight course data.
- iv. Bus digital systems/Trams/Railroad.
 - 1. Many modern bus systems use computers to inform travelers what time a bus will be arriving and where it will be going. The same is for railway systems and trams.
 - 2. Ticketing systems are used to provide transportation services to the people.
 - 3. Cargo is weighed and charged accordingly.
- v. Point of Sales.
 - 1. Computers are used by supermarket staff to register how many items in stock, how many have been bought and on which day, hour and second the goods were purchased.

Part 2 -

- 2. The learner shall explain how a computer system works.
 - a. Teaching Method – Lecturer provided notes, presented in slide form for self learning.
 - b. Teaching Materials – SLS, internet connectivity on desktop or laptop computer.
 - c. Evaluation – Learner can give a practical demonstration on how computer systems work.
 - d. Lesson content –
 - i. Input, processing, output and storage.
 - 1. Know the input devices. (i.e. Mouse, Keyboard, camera and microphone)
 - 2. Understand that information feed into the computer needs to be processed in order to achieve the desired results. Know that there is more than one processor in a computer.
 - 3. Know the different storage media. (i.e. Floppy disk, flash disk, zip drive, external hard disk and CD/DVD Rom drives)

Part 3 -

- 3. The learner will explain the potential that computers offer.
 - a. Teaching Method – Lecturers notes, presented in slide form for self learning.
 - b. Teaching Materials –SLS, internet connectivity on desktop or laptop computer.

- c. Evaluation – Practical demonstration.
- d. Lesson content –
 - i. Computers can monitor the position of your fingers through a digital camera or web cam, computer programmers are able to create software which will allow a user to type virtually as the camera can see where your fingers are. You do not have to click the keys on your keyboard to type.)
 - 1. Medical Examination Rooms can take advantage of this technology to operate on a patient virtually with the aid of a robot. Surgeons can be accessible worldwide.
 - ii. You are able to expand your desktop working environment to more than one screen in order to perform advanced computer work where you could be monitoring two or more TV channels on a single computer and switching between them so that the main showing TV station that is on air can switch smoothly between commercials and Fit a given TV Guide.
 - iii. You can record music with the help of a microphone and some music instruments.

