

BACHELOR OF COMPUTER APPLICATIONS

(BCA)

BCA/ASSIGN/I/YEAR/2012

**ASSIGNMENTS
Year, 2012**

(1st Semester (Pre-Revised))

CS-610

CS-611



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

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Course Code : **CS-610**
Course Title : **Foundation Course in English for Computing**
Assignment Number : **BCA (1)-610/Assignment/12**
Maximum Marks : **25**
Last date of submission : **30th April 2012/ 30th October 2012**

Note: There are four questions in this assignment. Answer all questions.

1) Read the following passage carefully and answer the questions that follow:

The frail man who won India her freedom preached non-violence. To Gandhiji though, non-violence, or ahimsa, was a way of life. He wore 'ahimsa' leather sandals and promoted 'ahimsa' silk; the former made from the hide of cows that had died a natural death. He also hoped that the Indian silk industry would use only those cocoons whose worms had already matured into moths and flown out into the world, not boiled to death for the sake of the rich yarn known all over the world as a symbol of India.

Twelve years ago, the APCO (Andhra Pradesh Handloom Weavers' Cooperative Society) in Hyderabad first realized the value of ahimsa silk when its best silk had to be rushed to a high profile visitor. Mrs. Janaki Venkatraman, wife of the then President of India, Mr. R.Venkatraman, wanted to buy the beautiful silk but would do so only on one condition-the silk should have been woven without killing the silkworm before it turned into a moth.

Stumped by the request, the APCO manager, a non-technical person, rushed to his technical assistant, Mr. Kusuma Rajaiah, who confirmed that the process of procuring the silk is a violent one. In fact, one silk saree can mean up to 50,000 silkworms. The irony is that the very cocoon, created by nature to safeguard the growing insect, is made up of the fine silk thread that can be spun into lustrous silk yarn. Just seven days before maturity, the cocoons are collected, put into heat chambers, and treated at 70° C-90° C for three to four hours, thus killing the insect and making the cocoon pliable for spinning.

As often seen with alternative methods that are eco-friendly and which require new technology or way of thinking, the costs are high. It is easy to produce a single saree but mass production requires bulk procurement of the special cocoons.

Ahimsa silk is costlier than ordinary silk, simply because when the moth leaves home it punctures the cocoon and this breaks the silk thread. During the spinning process, cocoons without the moth lead to a lot of wastage. From an ordinary cocoon, 80% of the thread can be procured as yarn, but from an empty one, this goes down to an abysmal 16%. The finished saree reflects this cost and is one and half times costlier than a regular silk saree. Therefore, to make it accessible to the ordinary customer on the street, there is a need to work on not just bringing the cost down, but also on spreading awareness about the good deed s/he does by buying such a saree.

- i He wore 'ahimsa' leather sandals and promoted 'ahimsa' silk. What do you understand by the term 'ahimsa' here? **(1 mark)**
- ii How is silk usually made? **(1 mark)**
- iii How is Ahimsa silk different? **(2 marks)**
- iv Why is Ahimsa more expensive than ordinary silk? **(1 mark)**

- 2) Carefully read the following passage, which contains about 350 words. Then, using your own words as far as possible, write a summary of it in not more than 120 words. Finally, supply a title for your summary. **(5 marks)**

Most people believe that children are the world's most valuable resource and should be loved and cherished. However, because they are dependent on adults for safety and nurturing, and can neither look after themselves nor fight for their rights, they are often treated badly and abused. A report published by the World Health Organization (WHO) in 1999 claimed that more than 40 million children around the world suffer from abuse and maltreatment.

But things are beginning to change. Did you know that the United Nations has a special Convention on the Rights of the Child and that Article 19 and Article 34 of this Convention deal specifically with child abuse?

Child abuse has been defined as 'all forms of physical, and/or emotional treatment or commercial or other exploitation, resulting in actual and potential harm to the child's right to health, survival, development or dignity in the context of a relationship of responsibility, trust or power'. It is being increasingly recognized that even children deserve to be treated with dignity and that their freedom should be respected. From the year 2000, 20 November is celebrated as the International Day for the Rights of the Child and 19 November is World Day for the Prevention of Child Abuse.

Since India is a poor country and we can barely guarantee our children basic health, nutrition and shelter, there is little time and opportunity to think about the rights of children or of their abuse. Also because of our tradition of giving unquestioning respect to elders, the convention of not letting outsiders know of problems within the family and viewing children as the property of parents, a great deal of child abuse is tolerated in our society. People are neither willing to talk about it nor report it to the police or other authorities. Since awareness is the only effective response to silence and denial, talking about this issue and making as many people as possible aware of it is the only way to deal with this violation of children's rights.

- 3) Fill in the blanks with a, an, or the. The first one is done for you.

I immediately went round to the Boma to makecomplaint about.....way I had been treated. There was.....young district Officer there whom I knew well. He took me into his office. He listened with sympathy to my story and began thumping.....table in his indignation. He said, 'Look here, Kenneth, if ever you want anything just come along to me and I will give you.....note.' 'But,' I said, 'that is not.....point, what about all the thousands of others who want to be treated like reasonable human beings in.....shops? Have they got to come to you every time for.....note?' He promised to write.....letter to.....chemist and I let the matter drop. **(5 marks)**

- 4) Write a composition in about 250 words on any *one* of the topics given below:

- i The use of technology in our homes.
- ii Letter writing is now a dying art.
- iii The next war is going to be fought on the issue of water.
- iv 'Each one teach one' is the only way to educate every Indian. **(10 marks)**

Course Code : **CS-611**
Course Title : **Fundamentals and PC Software**
Assignment Number : **BCA(1)-611/Assign/12**
Maximum Marks : **25**
Last Date of submission : **30th April, 2012/30th October, 2012**

Note: There are eight questions in this assignment. Answer all questions. You may use illustrations and diagrams to enhance explanations.

- 1) What is Computer System? Explain different components of Computer. (3 Marks)
- 2) What is need of memory in computer system? Explain the memory hierarchy. (3 Marks)
- 3) What is printer? Compare different types of printers. (3 Marks)
- 4) Suggest a suitable operating system (s) for the following activities:
 - Web Application Development
 - Multimedia Development
 - Database ManagementIdentify the requirements on operating system for the above situations. Give reasons in support of your selection. (3 marks)
- 5) What is an E-mail? Explain components of E-mail. (2 Marks)
- 6) What is computer virus? Explain the process of removal of a computer virus from a virus infected machine. (2 Marks)
- 7) Explain how you will handle following problems: (3 Marks)
 - (i) You have to recover a deleted file.
 - (ii) You have to remove a software from your system.
 - (iii) You need to share a newly created folder with other users.
 - (iv) The response time on your disk is slow.
 - (v) You need to change the video mode video mode of your monitor.
 - (vi) You want to know the IP address of your computer system. (3 marks)
- 8) Create a document using Microsoft-Word to explain syllabus of the BCA Ist Semester Courses:
Your document should use following features of Microsoft-Word:
 - (i) Table in MS-word,
 - (ii) Mail-merge feature of MS-word,
 - (iii) Header and Footer,
 - (iv) Bullets and Numbering in MS-word (3 Marks)