

**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**  
(Department of Distance, Non-Formal & Continuing Education)

**WARNING**

1. PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.
2. SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".

*Note: All questions are compulsory and carry equal marks.*

1. *Response to each question should not be less than 1200 words failing which marks will be deducted accordingly.*
2. *Please write in your own words after reading the study guides and the related material. Also avoid irrelevant information, reproduction from any text and render a critical analysis of the questions asked for.*
3. *Frequently visit www for latest developments and sources. Give source while quoting any material. Use APA style. Also develop reference list for each question separately.*
4. *No marks will be given for reproduction from the text or from elsewhere.*
5. *Please write your assignment in legible handwriting.*
6. *Please submit the assignment on or before the specified date.*
7. *Late assignment will not be accepted in any case.*

Course: Computer Application (3705)

Semester: Spring, 2014

Level: M.Phil

Total Marks: 100

Pass Marks: 40

**Assignment No.1**

(Unit 1-5)

- Q.No.1 (a) What are the four fundamental components of a computer system?  
(b) Describe the relationship between data and information. (20)
- Q.No.2 (a) Create a five-bit encoding system to be used for storing upper-case alpha characters, punctuation symbols, and the apostrophe. Discuss the advantages and disadvantages of your encoding system in relation to the ASCII encoding system.  
(b) Explain how internal and external devices are linked to a pc via a SCSI adapter? (20)
- Q.No.3 Explain in general terms what a natural language would do with the following command. List all meant purchased prior to 1985. Give an example of what a response to the request might look like. Fixed inventory items would include items such as desks, chairs, lamps and so on. (20)

- Q.No.4 (a) What is isolated speed and why is it a requirement for dictation to a speech-recognition system?  
(b) Describe the input/output characteristics of a workstation/pc that would be used by engineers for computer-aided design. (20)
- Q.No.5 (a) What is the relationship between EDI and connectivity?  
(b) Name the three basic computer network topologies. (20)

## **Assignment No.2**

(Unit 6-9)

Total Marks: 100

Pass Marks: 40

- Q.No.1 (a) Discuss the pros and cons of Ftping on the internet.  
(b) Expand the following acronyms: TCP/IP, ISP, and URL. (20)
- Q.No.2 (a) What term is used to refer to prepackaged electronic images?  
(b) Describe 10 specific publications that are candidates for desktop publishing. (20)
- Q.No.3 (a) Which type of information system would most closely approximate working directly with a human expert to solve a problem?  
(b) What technique is used to analyze data warehouses to identify possible trends and problems? (20)
- Q.No.4 (a) What are the six levels of the hierarchy of data organization?  
(b) Give an example of each of the four types of ranges. (20)
- Q.No.5 (a) What is meant by the remark Garbage in, garbage out, as applied to system specifications?  
(b) What is accomplished when we patch an information system? (20)