**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**

**(Department Library & Information Sciences)**

**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”.**

**Course: Auditing Information System (9224) Semester: Spring, 2025**

**Level: BS-LIS**

## Please read the following instructions for writing your assignments. (AD, BS, B. Ed, MA/MSc, MEd) (ODL Mode).

1. All questions are compulsory and carry equal marks but within a question the marks are distributed according to its requirements.

2. Read the question carefully and then answer it according to the requirements of the questions.

3. Avoid irrelevant discussion/information and reproducing from books, study guide or allied material.

4. Handwritten scanned assignments are not acceptable.

5. Upload your typed (in Word or PDF format) assignments on or before the due date.

6. Your own analysis and synthesis will be appreciated.

7. Late assignments can’t be uploaded at LMS.

8. The students who attempt their assignments in Urdu/Arabic may upload a scanned copy of their handwritten assignments (in PDF format) on University LMS. The size of the file should not exceed 5MB.

Note 1: Use your own words while working on your assignment. In case of quoting any fact or statement from any source, always remember to provide full reference of the source according to “APA 6th ed. available at: <http://ijolis.aiou.edu.pk/?page_id=251>

Note 2: Students at the postgraduate level are expected to use multiple sources in addition to their course-allied material to solve these assignments.

Note 3: The study guide of this course and links to resources to solve these assignments are also available in downloads at AIOU’s LIS department website: [lis.aiou.edu.pk/](http://lis.aiou.edu.pk/)

**Total Marks: 100 Pass marks: 40**

**ASSIGNMENT No. 1**

**(Units 1–5)**

**Q.1** Define auditing information systems. Provide suitable examples to illustrate how information systems are audited in different organizational contexts. **(20)**

**Q.2** Write a note on the basics of computer systems, covering key components and how they work together to process and store information. **(20)**

**Q.3** Define an information systems audit program. Provide examples of how such programs are designed and implemented to evaluate the effectiveness and security of information systems. **(20)**

**Q.4** Discuss the following topics with examples: **(20)**

1. Auditing service organization applications
2. Assessing the financial stability of vendor organizations

**Q.5** Explain the concept of "information systems operations." Discuss its importance and provide relevant examples of how information systems operations are managed within an organization. **(20)**

**Total Marks: 100 Pass marks: 40**

**ASSIGNMENT No. 2**

**(Units 6–9)**

**Q.1** Discuss the importance of encryption and cryptography in securing electronic exchanges of information globally. How do these technologies contribute to the safety and integrity of online communications? **(20)**

**Q.2** Write a note on the following topics: **(20)**

1. Information system auditing challenges
2. Computer-assisted audit techniques
3. Computer viruses
4. Software piracy
5. Electronic commerce
6. Internet security
7. Information Privacy

**Q.3** Explain the concepts of "electronic commerce internet security" and "information privacy." Provide real-world examples of how these issues impact online businesses and consumers. **(20)**

**Q.4** Critically examine the contemporary challenges faced in information systems auditing. How have modern technologies and business practices impacted the auditing process? **(20)**

**Q.5** Write a note on information systems project management audits. What role do these audits play in the successful execution of IT projects? **(20)**