

**Assignment for CIT-002: Introduction to Information Technology
of CITOL Programme for July 2025 & January 2026 Session**

Note: Answer all the questions. Each question carries 1 mark. This assignment needs to be attempted compulsorily by the students of IGNOU - who took admission to CITOL Programme for the July 2025 & January 2026 Session.

1. What is the main characteristic of secondary storage?

- A) It holds data temporarily for quick access.
- B) It stores data permanently on external devices.
- C) It provides direct access to the CPU.
- D) It is used exclusively for backup operations.

ANSWER: B

2. What is the key function of Knowledge Management Systems (KMS)?

- A) To generate tactical information.
- B) To share and categorize organizational knowledge.
- C) To process routine transactions.
- D) To generate financial reports.

ANSWER: B

3. What is the main purpose of the Decision Support System (DSS)?

- A) Automate daily operations.
- B) Help managers make decisions under uncertainty.
- C) Provide real-time communication.
- D) Store large volumes of data.

ANSWER: B

4. Which of the following is a benefit of ICT in business?

- A) Reduces the need for marketing
- B) Increases manual labor
- C) Lowers costs and improves productivity
- D) Eliminates the need for suppliers

ANSWER: C

5. The term 'Digital Divide' primarily refers to:

- A) The gap between countries using only wired and wireless technologies
- B) The gap between those who have access to ICT and those who do not
- C) The difference in Internet speed between developed and developing countries
- D) The divide between public and private networks

ANSWER: B

6. What was the initial cause of the digital divide in the mid-1990s?

- A) Disparity in Internet access between rural and urban areas in the USA
- B) Lack of computer literacy among older adults
- C) Uneven distribution of smartphones
- D) High cost of technology in Europe

ANSWER: A

7. Who coined the term 'Cyberspace'?

- A) William Gibson
- B) Tim Berners-Lee
- C) Alan Turing
- D) Steve Jobs

ANSWER: A

8. What is the key difference between real space and cyberspace transactions?

- A) Cyberspace transactions are always faster.
- B) Real space transactions carry secondary physical information, while cyberspace transactions do not.
- C) Real space transactions are less secure.
- D) Cyberspace transactions require physical presence.

ANSWER: B

9. What is 'digital identity' in cyberspace?

- A) A physical representation of a person online.
- B) A collection of unique information associated with an entity.
- C) The IP address of a computer.
- D) A virtual name assigned randomly.

ANSWER: B

10. Which of the following is an example of a cyber crime?

- A) Theft of physical property.
- B) Unauthorized access to a computer network.
- C) Shoplifting from a store.
- D) Breaking into a house.

ANSWER: B

11. What is the primary purpose of digital certificates in cyberspace?

- A) To encrypt all web content.
- B) To verify the authenticity of digital identities.
- C) To prevent spam emails.
- D) To replace physical identification cards.

ANSWER: B

12. What does E-Commerce primarily involve?

- A) Selling physical goods at a marketplace.
- B) Electronic transfer of information for business transactions over the Internet.
- C) Physical exchange of goods without using the Internet.
- D) Only online marketing activities.

ANSWER: B

13. Which of the following is an advantage of E-Commerce?

- A) Limited working hours.
- B) Access to a global marketplace.
- C) High operational costs.
- D) Physical presence requirement.

ANSWER: B

14. Which of the following is NOT a type of E-Commerce?

- A) Business-to-Consumer (B2C)
- B) Consumer-to-Business (C2B)
- C) Employee-to-Employee (E2E)
- D) Business-to-Government (B2G)

ANSWER: C

15. What is the role of digital certificates in E-Commerce?

- A) They encrypt customer data only.
- B) They authenticate the identity of parties involved in transactions.
- C) They function as digital payment methods.
- D) They verify product quality.

ANSWER: B

16. What is a common online payment method in E-Commerce?

- A) Barter system.
- B) Cash-on-delivery.
- C) Electronic wallets and credit cards.
- D) Physical cash transfers.

ANSWER: C

17. What is the main objective of coding in the SDLC process?

- A) To create a graphical user interface.
- B) To convert design specifications into executable software programs.
- C) To prepare financial reports.
- D) To conduct user training sessions.

ANSWER: B

18. Which of the following is a characteristic of an effective Information System?

- A) High redundancy and slow data retrieval.
- B) Frequent errors and system failures.
- C) Efficient processing and cost-effectiveness.
- D) Inefficient response time to queries.

ANSWER: C

19. What does 'Perfective Maintenance' aim to achieve?

- A) Repairing previous coding errors.
- B) Modifying the system to meet changing user needs.
- C) Enhancing system performance or functionality.
- D) Restoring the system to its original state.

ANSWER: C

20. What is the function of Unmanned Aerial Vehicles (UAV) in Computer Vision?

- A) To generate 3D cartoons.
- B) To perform remote sensing and reconnaissance.
- C) To replace human pilots entirely.
- D) To edit videos automatically.

ANSWER: B

21. What is one of the benefits of video surveillance using Computer Vision?

- A) Improved manual monitoring.
- B) Automatic detection and classification of moving objects.
- C) Reduced need for image compression.
- D) Increased pixel density.

ANSWER: B

22. What is an application of Computer Vision in autonomous vehicles?

- A) Manual gear shifting.
- B) Object detection for navigation and obstacle avoidance.
- C) Handwritten document scanning.
- D) Editing of road signs.

ANSWER: B

23. What is the primary purpose of Virtual Machines (VM) in HCI?

- A) To reduce the processing power of computers.
- B) To simulate multiple operating systems on a single machine.
- C) To interact with computers using physical gestures.
- D) To create digital illustrations.

ANSWER: B

24. What is the key advantage of hypertext in HCI?

- A) It limits user navigation options.
- B) It allows non-linear access to information through links.
- C) It prevents access to multimedia content.
- D) It restricts users to linear content browsing.

ANSWER: B

25. Which of the following is a feature of Hypermedia?

- A) It only supports plain text documents.
- B) It allows linking of graphics, sound, and video along with text.
- C) It only provides visual data representation.
- D) It restricts multimedia interaction.

ANSWER: B