**B.Com. (Part–I) (Business Information & System Management) Semester–I (CBCS)**

**Examination**

**INFORMATION SYSTEM**

**BCE – 15**

Time : Three Hours]                                                                 [Maximum Marks : 80

**Note :—** (1)   All the sections are compulsory.

(2)   The first attempt will be evaluated for Section "A".

## SECTION – A

Multiple Choice Question :                                                             2×10=20

1.   Statement 1 :  Information systems play a crucial role in improving decision-making processes within organizations.

Statement 2 :  Information systems are only relevant for large corporations and have limited significance for small businesses.

(A)   Statement 1 is correct           (B)   Statement 2 is correct

(C)   Both Statements are correct      (D)   Both Statements are wrong

2.   Statement 1 :  IT governance ensures that IT investments align with organizational goals and objectives.

Statement 2 :  IT management is solely focused on technical aspects and does not involve strategic planning.

(A)   Statement 1 is correct           (B)   Statement 2 is correct

(C)   Both Statements are correct      (D)   Both Statements are wrong

3.   Statement 1 :  Cloud computing allows users to access and use computing resources over the internet on a pay-as-you-go basis.

Statement 2 :  Private clouds are always more cost-effective than public clouds for businesses.

(A)   Statement 1 is correct           (B)   Statement 2 is correct

(C)   Both Statements are correct      (D)   Both Statements are wrong

4.   Statement 1 :  Data analytics involves analyzing historical data to identify trends and make informed decisions.

Statement 2 :  Business Intelligence (BI) tools are only used for reporting and do not contribute to data-driven decision-making.

(A)   Statement 1 is correct           (B)   Statement 2 is correct

(C)   Both Statements are correct      (D)   Both Statements are wrong

5. Statement 1 : A database is a collection of organized data that can be easily accessed, managed, and updated.

Statement 2 : Databases are only used for storing text-based information and are not suitable for multimedia content.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

6. Statement 1 : Business software includes applications like accounting software, inventory management, and project management tools.

Statement 2 : Business software is not designed to streamline and automate business processes.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

7. Statement 1 : Data visualization is the graphical representation of data to identify trends and patterns.

Statement 2 : Data visualization has no impact on making complex data more understandable for non-technical users.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

8. Statement 1 : Data quality is not a critical factor in the success of data-driven initiatives.

Statement 2 : Data governance is not necessary for ensuring data accuracy, security, and compliance.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

9. Statement 1 : Global Information Systems support business processes that span multiple countries and regions.

Statement 2 : Global Information Systems have no impact on improving communication and collaboration in multinational organizations.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

10. Statement 1 : The Chief Information Officer (CIO) is responsible for overseeing the use of information technology in an organization.

Statement 2 : The CIO's role is limited to technical aspects and does not involve strategic decision-making.

(A) Statement 1 is correct  (B) Statement 2 is correct
(C) Both Statements are correct  (D) Both Statements are wrong

## SECTION – B

Short Question Answer :                                                                   4×5=20

1. (a) What is Transaction Processing System ?

**OR**

   (b) Explain in brief IT Governance.

2. (a) Explain Types of Network.

**OR**

   (b) What is Software ? Explain its types.

3. (a) Give a brief idea about DBMS.

**OR**

   (b) Define SQL in detail.

4. (a) Give importance of AI in Business.

**OR**

   (b) Why Business Process Automation is needed.

5. (a) Define Global Information System.

**OR**

   (b) Give Reasons : Why IT Risk Management is Important.

## SECTION – C

Long Answer Questions :                                                                   8×5=40

1. (a) What are the trends in Information System ? Explain in brief.

**OR**

   (b) Explain the need of information system in Business.

2. (a) Differentiate between Hardware and Software.

**OR**

   (b) What is Operating System ? Explain its Functionalities.

3. (a) Discuss Customer Relationship Management (CRM).

**OR**

   (b) Explain Database design and modeling.

4. (a) Explain Artificial Intelligence and Machine Learning.

**OR**

   (b) Discuss Big Data Technology.

5. (a) Explain IT Service Management (ITSM).

**OR**

   (b) Discuss Global Information Systems.