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Daffodil International University
Faculty of Business & Entrepreneurship
Department of Business Administration
Program: BBA

Semester: SUMMER, 2026 | Exam: Midterm
Time: 90 minutes | Full Marks: 25
Course Code: 0611-113 | Title: ICT in Business
Section: 72-A, B, C, D,E,F,G,H | Course Teacher: MI, FK,Sadik,Rabbi

[Answer __ALL__ the following questions. Figures in the brackets indicate marks assigned to each question. Any kind of unfair means is strictly prohibited. Read the question attentively, then answer to the point; relevant examples will carry greater marks]

Question No. 1 [CLO 1, Level 1] **[Marks: 2+8=10]**

A multinational corporation operating in education, healthcare, finance, agriculture, and manufacturing decides to modernize its operations through digital transformation. The company introduces AI for decision support, cloud computing for data management, blockchain for secure financial transactions, IoT devices for real-time monitoring, big data analytics for business intelligence, and cyber-physical systems for automated manufacturing. The management views ICT as the backbone that enables all these technologies to work together efficiently.

List the components of Information and Communication Technology (ICT). **Define** modern technologies such as AI, IoT, Blockchain, Big Data, and N-computing and **how** they are utilised across various sectors in our society? Give relevant examples.

Question No. 2 [CLO 2, Level 2] **[Marks: 3+2=5]**

A large healthcare provider manages electronic health records, patient scheduling systems, and medical imaging databases using on-premises servers. Due to increasing patient data, regulatory requirements, and the need for remote access by healthcare professionals, the organization is considering migrating to cloud-based solutions while maintaining security and compliance.

Illustrate the characteristics of Cloud computing. **Summarize** the different cloud service models.

Question No. 3 [CLO 2, Level 2] **[Marks: 7+3=10]**

A company operating across multiple countries sells products directly to consumers, purchases materials from international suppliers, collaborates with business partners through digital procurement systems, and pays taxes through government portals. Since transactions involve customers and organizations from different regions, the company relies on secure and efficient electronic payment systems to process payments and maintain trust.

Interpret the common e-commerce business models and **explain** how e-commerce payment systems support these types.