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

Acer

Semester: Summer 2026
Time: 1.5 Hours
Course Code: 0223-111 /AOL 301
Section: 69 (A, B, C, D)

Examination: Midterm
Full Marks: 25
Course Title: Art of Living
Course Teacher: FAA, AHN

Answer all the questions. Marks are indicated on the right.

1.	People often remain silent during misunderstandings in relationships instead of expressing their feelings openly. **Explain** how coming out of the box by communicating honestly can strengthen relationships and improve mental well-being.	**5 Marks** *CLO- 1, Level-2*
2.	Zaisha's friends often asked her to join late-night outings, even when she had assignments or personal tasks. She used to agree every time because she didn't want to disappoint them. Lately, she started politely saying no when she needed personal time. By setting boundaries, she managed her schedule better, reduced stress, and felt more confident, while her friends respected her choices. **Apply** how protecting your mental and emotional space by setting boundaries can improve self-esteem. Use Zaisha's scenario to show how saying no respectfully contributes to confidence and well-being.	**5 Marks** *CLO- 1, Level-2*
3.	Listening patiently when someone shares their personal problems without interrupting is a common but often forgotten aspect of polite etiquette. **Identify** ten similar everyday etiquette practices that you personally follow but many people tend to overlook or forget. Apply why these practices are important for maintaining respectful and positive social interactions.	**5 Marks** *CLO- 2, Level-3*
4.	Many of us buy clothes and accessories just for satisfaction, even when they don't really need them. Select five ways you could contribute to your community without spending on unnecessary items. **Analyze** how each action supports community development.	**5 Marks** *CLO- 3, Level-4*
5.	Our parents make daily efforts to care for us, but we often take these efforts for granted. **Jusify** at least five ways you can recognize their contributions and build a stronger connection with them. **Evaluate** your points clearly and explain how each action can improve your relationship.	**5 Marks** *CLO- 4, Level-5*

Best of Luck

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

Semester: Summer, 2026
Time: 90 minutes
Course Code: 0413-126
Section: 69-A, B, C, D, E

Exam: Mid Term
Full Marks: 25
Title: MIS
Course Teacher: MI, MR,TM

*[Answer **ALL** the following questions. Figures in the brackets indicate marks assigned to each question.]*

Question No. 1 [CLO 2, Level 3] **[Marks: 7]**

Akij Ceramics is the largest manufacturer of ceramic and vitrified tiles in Bangladesh, with an impressive annual aggregate capacity of 25.55 million square meters. The company's state-of-the-art production facility, spanning 67 acres in Mukkhopur, Trishal, Mymensingh, stands as a testament to its commitment to delivering top-notch quality and setting industry benchmarks. Akij Ceramics is experiencing challenges in managing its operations, responding to customer needs, and maintaining a competitive position in the market. The management is considering investing in Information Systems to improve business performance and achieve its strategic goals.

Apply the concept of Information Systems to demonstrate how an organization can achieve strategic business objectives of Information Systems.

Question No. 2 [CLO 2, Level 3] **[Marks: 8]**

Modern organizations rely heavily on Information Systems to support planning, coordination, control, and decision-making activities across different levels of management. Operational managers require detailed and timely information for day-to-day activities, middle managers need summarized information for tactical decisions, and top managers depend on strategic information for long-term planning. By providing the right information to the right people at the right time, Information Systems help organizations improve efficiency, effectiveness, and overall performance.

Apply Information Systems concepts to demonstrate how different management groups in an organization can use information systems to improve decision-making and organizational performance.

Question No. 3 [CLO 1, Level 2] **[Marks: 5+5=10]**

The Fourth Industrial Revolution (4IR) represents a new era of technological advancement characterized by the integration of digital, physical, and biological systems. Technologies such as Artificial Intelligence (AI), the Internet of Things (IoT), Big Data Analytics, Cloud Computing, Robotics, and Blockchain are transforming the way businesses operate, industries compete, and societies function. Understanding these technologies and their implications is essential for organizations and individuals seeking to adapt to an increasingly digital and interconnected world.

Explain the key concepts of the Fourth Industrial Revolution (4IR) and **illustrate** its impact on businesses, industries, and society.

Daffodil International University
Department of Business Administration
Course Title: Differential and Integral Calculus
Course Code: 0541-214

Semester: Summer 2026 **Examination: Midterm**
Time: 1 Hour 30 minutes **Full Marks: 25**

[NB: Answer all the following questions]

01	a)	Explain the concepts of marginal cost and marginal revenue, and discuss their significance in business decision-making.	(CLO 2, L2) 2
	b)	Differentiate between the domain and the range of a function, providing suitable examples.	(CLO 4, L4) 3
02	a)	Find the indicated limit if it exists: $Lim_{x\to -2}\frac{x^2-x-6}{x^2+3x+2}$	(CLO 3, L3) 2
	b)	Graph the function: $f(x)=\sqrt{x}+1$	(CLO 3, L3) 3
03		Find $\frac{dy}{dx}$	
	a)	$y = 10x^4 + \frac{10}{x^2} - 12x + 502$	(CLO 3, L3) 2
	b)	$y = u^2+2u+5$, $u=3x^4$	(CLO 3, L3) 1.5
	c)	$y = \frac{10x}{1+x}$	(CLO 3, L3) 1.5
04		An efficiency study of the morning shift at a certain factory indicates that an average worker who arrives on the job at 8.00 A.M. will have assembled $f(x) = -x^3+6x^2+15x$ units x hours later. i. At what rate will workers be assembling units after x hours? ii. At what rate will workers be assembling units at 10.00 A.M.? iii. At what percentage rate were the assembled units with respect to time at 10.00 A.M.? iv. How many units will the worker actually assemble at 11.00 A.M?	(CLO 3, L3) 5
05		A manufacturer estimates that when x units of a particular commodity are produced, the total cost will be $C(x) = \frac{1}{4}x^2 + 3x + 67$ dollars, and furthermore, that all x units will be sold when the price is $p(x) = \frac{1}{5}(45 - x)$ dollars per unit. i. Find the marginal cost and the marginal revenue. ii. Use marginal cost to estimate the cost of producing the ninth unit. iii. What is the actual cost of producing the ninth unit? iv. Use marginal revenue to estimate the revenue derived from the sale of the ninth unit. v. What is the actual revenue derived from the sale of the ninth unit?	(CLO 3, L3) 5

Daffodil International University

Department of Business Administration

Faculty of Business and Entrepreneurship

Course Code: 0415-125 **Examination:** Mid-Term

Course Title: Business Communication **Semester:** Summer-2026

Batch: 69 (A, B, C, D, E) **Time:** 1.5 Hrs

Teacher Initials: RIR, HS, Dr Shafiul Azam **Marks:** 25

Answer ALL Questions

Question 1 (CLO 1 Level 2) **5 Marks**

Compare different types of communication channels with real-life business examples.

Question 2 (CLO 2 Level 3) **10 Marks**

Scenario: You work as an Operations Coordinator at Apex Logistics in Dhaka. Your team recently switched to a new digital delivery tracking system. While most departments adapted well, the Warehouse Operations team is struggling, which is causing major delivery delays.

Yesterday, the Warehouse Manager (warehousemanager@apexlogistics.com) got frustrated and sent a very angry, unprofessional email directly to your boss, the Operations Director (opsdirector@apexlogistics.com), blaming your department for "ruining their workflow." Your boss is furious about the tone of that email but wants you to handle the response. She wants you to fix the broken relationship, offer a real solution, and get them back on track, but you must remain firm that the company will not change the system. You find out that a senior IT trainer can run a hands-on, troubleshooting workshop to help them. It can happen in the Warehouse Training Room on **July 16, 2026**, from 2:00 PM to 4:00 PM. You need the Warehouse Manager to agree to this session and send you a list of their struggling staff members by **July 10, 2026**.

Your boss wants to secretly monitor your reply to ensure you handle the situation perfectly, meaning she wants to see the exact message you send without the Warehouse Manager knowing she is involved. On the other hand, you want the IT Support Lead (itsupport@apexlogistics.com) to see this message out in the open so he knows he is being officially volunteered to help.

Construct a complete and professional email based on the above scenario.

Question 3 (CLO 3 Level 4) **5 Marks**

Scenario: During a live online university lecture on Zoom, a professor is sharing her screen and explaining the core steps of an upcoming final group project. Midway through her explanation, her home internet connection becomes highly unstable. As a result, her voice starts cutting out badly, and the presentation slides on the screen freeze completely.

In the Zoom chat box, a student named Fahim types, "We cannot hear you, and the screen is frozen!" The professor does not notice the chat message because she has minimized the chat window to see her slides better. She continues talking for another five minutes, completely unaware of the technical issues. Meanwhile, another student named Sarah looks at Fahim's chat message, frowns in frustration, and immediately sends a WhatsApp text to her classmate, saying, "I guess class is effectively over. I am logging off to go eat lunch."

Examine all the elements of the Human Communication Process from the above scenario.

Question 4 (CLO 3 Level 4) **5 Marks**

Read the following business email carefully:

Subject: Project Update

Dear Customer,

Enclosed herewith please find the new project schedule. In view of the fact that we are busy, we need more time. Yesterday, the code was tested by our developers.

We will make a replication of your database tomorrow. We must ascertain the veracity of your local system logs. We want to maximize the utilization of this new platform. Our team worked all night on Monday to fix the login errors that the users reported, and we also updated the security database because safety is important, and we finally restarted the entire server network at 5:00 AM.

We are writing this email because we want to receive our payment quickly to balance our company budget. We will hire more manpower next week to move faster. However, we will avoid hiring older workers because senior citizens usually struggle to learn new software.

Sincerely,

Sam Miller

List all ten communication mistakes in the above message by clearly underlining each mistake using appropriate business communication terminology.