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Daffodil International University

Faculty of Science & Information Technology
Department of Software Engineering
Midterm Examination, Fall 2025
Course Code: SE212; Course Title: Software Requirements Specification & Analysis
Sections & Teachers: HM(A-B), SHN(C-D), RMS(E-H), KBB(I-J), NIR(K-L), ZNM(M)
Time: 1 Hour 30 Mins **Marks: 25**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

Mizan is a 32-year-old professional photographer and owner of *SnapEvent*, a digital photography and event management platform that connects clients with photographers, decorators, and venue providers. He has over 10 years of experience in wedding and corporate event photography and manages multiple freelance photographers under his brand. Mizan frequently uses technology for booking management, client communication, and editing workflows. However, he prefers user-friendly interfaces with simple navigation since he often works on the go using his laptop or smartphone.

Through the *SnapEvent* website, users can browse available services, check portfolios, compare pricing, and book complete event packages. The admin panel allows service providers to manage bookings, upload event galleries, and communicate directly with clients. Mizan uses the analytics dashboard to track booking trends, customer feedback, and seasonal demand. The system also includes automatic invoicing, payment tracking, and calendar synchronization for upcoming events. Clients receive real-time notifications about booking confirmations, payment reminders, and schedule updates. The website ensures data security, supports multiple languages, and provides mobile-friendly access.

1.	***a)***	*Analyze the given scenario and clarify the functional requirements for the system, explaining how they support its intended functionalities and user experience.*	**[Marks-4]**	**CLO-1** ***Level-2***
	b)	*Describe the user profile of Mizan and illustrate his smooth interaction with the SnapEvent platform.*	**[Marks-3]**	
	c)	*Identify the relevant three feasibility types — technical, economic, and operational — involved in developing the SnapEvent Photography and Event Management System. Then, explain how each selected feasibility study helps assess the success of this proposed system and why these feasibility assessments are necessary before implementation.*	**[Marks-4]**	
2.		Rafiq, a young entrepreneur, frequently uses RideFast, a ride-sharing application similar to Uber, to travel between client meetings. The app allows users to request rides, choose vehicle types, view driver details, estimate fares, and track rides in real time. Riders can pay through digital wallets or cash. The system includes features such as trip history, fare breakdowns, and 24/7 customer support. For drivers, it offers trip acceptance, navigation, and earning summaries. Admins can monitor all ongoing rides, manage user complaints, and analyze performance data for		**CLO-2** ***Level-2***

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		service optimization. To ensure safety, RideFast implements driver verification, ride-tracking, and instant SOS alerts. The app also supports multi-language options and offline map functionality for low-network areas.		
	a)	*Based on the RideFast scenario, **select** the most appropriate elicitation techniques to gather requirements from key stakeholders such as riders, drivers, and administrators. Justify your choice with a detailed explanation of how each technique will help in collecting accurate and comprehensive requirements for the system.*	**[Marks-6]**	
	b)	***Discuss** the limitations or drawbacks of alternative elicitation techniques that you decided not to use for the RideFast system. Explain why these techniques are less effective or unsuitable considering the system's user diversity, mobile platform, and real-time interaction requirements.*	**[Marks-3]**	
3.	*a)*	***Draw** a Use Case Diagram for the RideFast ride-sharing system. Include key actors and illustrate their major interactions with the system.*	**[Marks-5]**	**CLO-3** *Level-3*