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Daffodil International University

Department of Information Technology & Management
Faculty of Science & Information Technology
Mid-Term Examination, Spring 2024
Course Code: ITM 409; Course Title: Project Management
Sections: A; Teachers: AA

Time: 1:30 Hrs **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.]

- **Students need to go through the given CASE and answer creating information as necessary.**

Project Case: Read, invent and incorporate information where necessary.

You have recently been recruited as the Project Manager to develop a new feature for an e-commerce site, which would be used by a Multinational Company for selling customized t-shirts and caps. To complete the project your team of 4 members of different skills would get 3 months. The project had been given to you as you are an expert of e-commerce projects. However, you do not have enough flexible time in your hand and budget would be very tight but as an expert project manager you can take special initiatives/steps to monitor and control and/or motivate your team.

1. a. **Distinguish** the Differences between Project Scope Statement and Project Charter for this project. **[Marks-3]** **CLO-2** *Level-4*

b. **Distinguish** the difference between Contingency and Management Reserve. **[Marks-3]**

2. a. Project development activities are given below for the case above. Draw an AON (Network Diagram) for the 7 activities. **Solve** the critical path. **[Marks-5]** **CLO-2** *Level-3*

Activities	Duration (in Day)	Predecessors
A. Primary Plan	10	None
B. Defining Requirement	6	A
C. Resource Procurement	7	A
D. Design	5	A
E. Train Resources	6	C
F. Development	10	B, D
G. Testing	2	E, F

b. **Construct** a sample WBS following any approach for this project. **[Marks-4]**

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3. a. Several stakeholders on the project have been questioning the effectiveness of some of the team members. While the work is proceeding according to plan, some of the stakeholders are not satisfied with the work delivered to date, even though it meets requirements specifications. Describe the health of the project by calculating the SPI and CPI when worth of Tk.75,000/ was scheduled and Tk. 98,000/ is completed but money spent so far is Tk.1,10,000/. **[Marks-6]** **CLO-2** *Level-3*

b. **Solve** the expected duration (Beta Distribution), Standard Deviation and Ranges for each activity. **[Marks-4]**

Activities	Pessimistic	Most Likely	Optimistic
A	52	27	14
B	87	60	41

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