Daffodil International University

Department of Software Engineering

Faculty of Science and Information Technology (FSIT)

Final Examination, Semester: Spring 2016

Course Code: SWE 121 Course Title: Software Requirement Analysis and Design

Course Teacher: IM, AJ Section: A, B, C and PC-A

Time: 2:00 Hours Total Marks: 40

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| Q1 |  |  |
|  | 1. What is requirement prioritization? Write down three benefits of requirement prioritization. 2. Show an example of 100 dollar test | 5 |
| Q2 | Define FURPS+ Model, portability and maintainability | 5 |
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| Q3 | 1. Aftab poultry farm is developing a software for farmers. Farmers got no idea about computer and previously did not use any software. Their age range is 25-60. They don’t know any other language apart from Bangla. They will use this system as primary user where they will input the detail information of livestock at the end of the day. [Create the user profile] | 5 |
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| Q4 | 1. Define use case diagram 2. Mention the actual name of 1, 2, 3 and 4 from the diagram. Explain the scenario of this diagram. | 5 |
| Q5 | Draw a use case for   1. Teachers can upload course materials 2. Students can access the course materials 3. Teachers can upload notice 4. Admin can input new course 5. Admin can delete course | 5 |
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| Q6 | Draw a storyboard for checking email from gmail mobile app (at least five designs). | 5 |
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| Q7 | Design a database table for this form | 5 |
| Q8 | Draw a low fidelity prototype (Input form) for this database table. What reports can be generated from this table (At least three reports)? | 5 |