Pokhara University

TIME-BOUND HYBRID EXAMINATION

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| Level: Bachelor | Semester – ... | Year: ... |
| Program: BE | | Full Marks: 70 |
| Course: ... | | Pass Marks: 31.5 |
|  | | Time: 2 hrs. |

*Candidates are required to answer in their own words as far as practicable. The figures in the margin indicate full marks.*

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| **Group - A: Attempt all questions (5\*10=50)** | |  |
| Q. N. 1 | 1. Give an Suitable example of relative and absolute in XML ? 2. What is cross site scripting? What are its different types and give some examples of cross site scripting? | 10 |
|  | Unit 1: Introduction  Unit 6: Software Security |  |
| Q. N. 2 | Why do you need a continuous integration of Dev and Testing?  Unit 2. Development Process Management | 10 |
| Q. N. 3 | 1. What are the different types of dependency injection describe with suitable example? 2. Describe Factory Design pattern with suitable example.   Unit 3: Design Pattern | 10 |
| Q. N. 4 | Define Layered Architecture and MVC pattern  Unit 4: Web Application Architecture | 10 |
| Q. N. 5 | Explain different HTTP methods supported by RESTful web services?  Unit 5: SOA and RESTFUL Web Services | 10 |
| **Group - B: Problem-solving/case studies (1\*20=20)** | |  |
| Q. N. 6 | a. What is TDD? Give an example of Test-Driven Development and define a class **password** that will satisfy the certain criteria. A condition for Password acceptance: The password should be total length of 8 character.  b. What is an Enterprise architecture framework? What are its different types? Describe Zachman framework in details with suitable example.    Unit 1: Introduction  Unit 7: Software Development Methodologies |  |

*Best of Luck!*