

POKHARA UNIVERSITY

Level: Bachelor

Semester – Spring

Year: 2020

Program: BE

Full Marks: 70

Course: Enterprise Application Development

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.

Attempt all the questions.

Section - A: (5×10=50)

- Q. N. 1 Explain Web Services Data Standards and Interoperability - SOAP, WSDL, UDDI and eXML with suitable example. 10

OR

Write as many test cases as you can for the **issue book** and **return book** use cases in the library management system.

- Q. N. 2 Write down about the Source Code Management, Continuous Integration and Software Testing? Provide an example for the Movie Ticket Booking use case. 10
- Q. N. 3 What do you mean by Design Patterns? What are its different types? Give any one suitable example to implement Singleton Design Pattern? 10
- Q. N. 4 What do you mean by Web Application Architecture? Describe Service-Oriented Architecture (Microservices SOA) in more details. 10
- Q. N. 5 What do you mean by SOA AND REST API? When to use them. Give example of REST API. 10

Section - B: (1×20=20)

- Q. N. 6 a) What do you mean by SQL injection and how to Exploit SQL injection Attack? 10
b) What are the different Agile Testing Methodology? Describe them in details with suitable examples. 10