## POKHARA UNIVERSITY Semester: Fall

Year

: 2022

Full Marks: 100

Level: Bachelor

Programme: BE

Course: Enterprise Application Development Pass Marks: 45 Time : 3hrs. Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks. Attempt all the questions. What characteristics determine as enterprise application? Explain Zachman Framework based on matrix. Define Web service. Explain WSDL and UDDI. b) 7 2. a) Why source code management is important? How does source code 4+4 management work? What are significant of software testing? Explain any 5 types of b) 7 software testing concisely. 3. a) Define Design pattern. Explain lazy initialization with suitable 8 example with java source code. b) What is motivational factor of convention over configuration? Explain 3+4 Factory pattern. 4. a) Explain Layered architecture web application with figure. 8 b) How MVC solves a design problem? Explain MVC pattern with 7 suitable real time case. 5. a) Write introduction of Service oriented architecture. What is 2+6 significance of SOA? 7 b) Write your opinion for securing enterprise web application. 6. a) What factors motivate to follow Agile than other SDLC Methodology? Explain Sprint Methodology. 7 b) Explain Behaviour Driven Development with significance. Write short notes on: (Any two) 2×5 Inversion of Control Singleton pattern Enterprise Java Bean