Write short notes on: (Any two)   2×5

a) Data Exchange formats
b) Behavior driven software development
c) Convention Vs Configuration

Level: Bachelor	Semester: Fall	Year : 2019
Programme: BE		Full Marks: 100
Course: Enterprises 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.

1. a) What do you understand by Enterprise Applications? What are the frameworks available for enterprise application development? Explain any one framework in detail.   8

    b) Explain the protocols used in web technology. Write a sample code demonstrating the conversion of XML to JSON.   7

2. a) Write your overview on importance of software testing comparing different testing methods.   7

    b) Explain in detail the source code management and continuous integration with benefits.   8

3. a) What are the benefits of pattern based design? Explain the different types of patterns with illustrations.   8

    b) Explain dependency injection and inversion of control with suitable example.   7

4. a) Explain the tier architecture for web application development and highlight the benefits of it for production and development.   8

    b) What is MVC pattern? What is the benefits of using MVC in design problems? Illustrate the flow with suitable code.   7

5. a) Compare SOA and ROA. How read/write resource oriented services are designed?   8

    b) What do you mean by software security? Explain the basic attacks and the ways to prevent those problems.   7

6. a) What is software development methodologies? How test driven methodology is performed in software development?   7

    b) Explain agile software development model, list out the key principles and methodology used in agile development process?   8