Visvesvaraya Technological University, Belagavi.

Model Question Paper-I with effect from 2022-23 (CBCS Scheme)

First/Second Semester B.E. Degree Examination

Introduction to Nanotechnology

TIME: 03 Hours Max. Marks: 100

Note: Answer any FIVE full questions, choosing at least ONE question from each Module.

Model Question Paper

**Module 5: Deliver Value, Exploit Your Agility, Only Releasable Code Has Value, Deliver Business Results, D

Continuous Internal Evaluation (CIE)

Part A: Multiple Choice Questions (20 marks)

1. What is the primary focus of Agile technologies?

a) Speed

b) Cost-effectiveness

c) Quality and customer satisfaction

d) Flexibility

2. Which XP concept emphasizes delivering small, working pieces of software to stakeholders?

a) Iteration

b) Sprint

c) Incremental development

d) Continuous integration

3. What is the value of "Early Design" in Agile development?

a) It helps to reduce bugs and errors

b) It increases the complexity of code

c) It provides a clear understanding of requirements

d) It adds no value

4. How does Agile development approach improve collaboration among team members?

a) By assigning tasks individually

b) By encouraging open communication and shared responsibility

c) By creating separate teams for different modules

d) By relying on individual expertise alone

5. What is the primary goal of "Deliver Frequently" in Agile development?

a) To reduce workload

b) To improve team morale

c) To deliver working software to stakeholders regularly

d) To increase the complexity of code

Part B: Short Answer Questions (30 marks)

1. Explain the concept of "Only Releasable Code Has Value" in Agile development. (15 marks)

2. Describe the role of "Deliver Business Results" in Agile development. How does it benefit stakeholders? (10

3. Discuss the importance of "Seeking Technical Excellence" in Agile development. Provide examples. (5 mar

Part C: Case Study (20 marks)

Read the following case study and answer the questions that follow:

"A software development team is working on a project to develop an e-commerce platform for an online retaile

1. What are some potential reasons why the stakeholders are dissatisfied with the project's progress? (5 mark

2. How can the team lead apply "Deliver Frequently" and "Seek Technical Excellence" principles to improve th

3. What role does "Early Design" play in Agile development, and how can it help address the stakeholders' con

Semester End Examination (SEE)

Theory SEE

Part A: Multiple Choice Questions (50 marks)

1-5. Each question carries 10 marks.

Part B: Essay Questions (50 marks)

Choose any two questions from the following and answer them in detail.

1. Discuss the values and principles of Mastering Agility. How do they contribute to delivering good value? (25

2. Explain XP Lifecycle, XP Concepts, and Adopting XP. Provide examples of how these concepts can be app

Note: The above model question paper is designed based on the provided syllabus and assessment detail