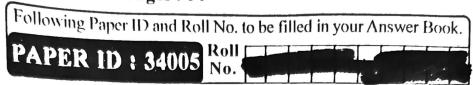
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ITBC3502

No. of Printed Pages: 04



B. Tech Examination 2024-25

(Odd Semester)

AGILE DEVELOPMENT METHODOLOGY

Time: Three Hours] [Maximum Marks: 60

Note: Attempt all questions.

SECTION-A

1. Attempt all parts of the following:

 $8 \times 1 = 8$

- (a) What is the role of Scrum?
- (b) Define velocity in Agile.
- (c) What qualities should a good agile tester have?
- (d) What is scrum of the scrums?
- (When should the agile model be used?

- (f) What is an epic, user stories and task?
- (g) What is the agilt metrics?
 - (h) What is Docker?

SECTION-B

- 2. Attempt any two parts of the following: $2 \times 6 = 12$
 - (a) Explain the difference between the traditional waterfall model and agile testing with appropriate examples.
 - Discuss agile methodologies and how they differ from modern software development practices. Explain in brief.
 - (c) Discuss feature-driven development (FDD). What are its key activities? Provide a detailed explanation?
 - (d) What are impediments in scrum? Provide examples of common impediments. Also, explain the differences between agile and scrum.

SECTION-C

- Note:- Attempt all questions. Attempt any two parts from each question. $8 \times 5 = 40$
- 3. (a) What is Agile? Explain agile software development in detail.
 - (b) Describe Agile business analysis in detail.
 - (c) Discuss Agile project management in detail.
- 4. (a) Discuss crystal. What are its methodologies?
 - (b) Discuss eXtreme. Explain eXtreme programming phase in brief.
 - (e) How eXtreme different from scrum? Explain in detail.
- 5. (a) Explain the requirement of agility on knowledgement in detail.
 - (b) What is agile information system? Explain in detail.
 - (c) What are the challenges of migrating to agile methodologies? Explain in detail.

- 6. (a) Explain the term sprint burndown chart and defect density.
 - (b) Explain the term Docker, Git and other automation tools in brief.
 - (c) Discuss Agile approach in Global development with example.
