

9-Feb-2023 – Class Test – 1 (IT632) – 35 marks – 50 minutes

Instructions:

- All questions are compulsory.
 - Write your answers in ordering of questions. No ordering, No credits.
 - All terms and abbreviations used in the questions are in the context of the subject.
 - Understanding questions rightly is part of your solution. Do not ask TAs/invigilators for clarifications.
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1. When is the prototype development model preferred? Why? (2 marks)
 2. What are the typical phases in a spiral model? Summarize their significance. (2 marks)
 3. In context of agile methodology, what do the terms project velocity and ideal days mean? (2 marks)
 4. What is a burn down chart. Summarize its use and significance. (2 marks)
 5. Summarize characteristics of a good SRS document. Give suitable example for two of your listed characteristics. (2 marks)
 6. What is contained in a SRS? How it is useful in the overall software development life cycle (SDLC)? (3 marks)
 7. What role product owner and scrum master play on a agile project? (3 marks)
 8. What do you understand by the term software crisis? List key factors responsible for it. (3 marks)
 9. What do you mean by NFR? List five NFRs. What is their significance? (3 marks)
 10. How software programs are different in comparison to software products? (3 marks)
 11. Visualize concepts on Sprint, Product backlog, scrum meetings, customer demo, and key stakeholders using a suitably labelled diagram. (5 marks)
 12. Assuming that all of you have used the course registration system in DA-IICT, write relevant user stories, and prepare a project schedule using the template discussed in class. (5 marks)