

Total No. of Questions : 6]

SEAT No. :

**P6977**

**[5865] - 53**

[Total No. of Pages : 2

**T.Y.M.C.A. (Management Faculty)**  
**IT53 : SOFTWARE PROJECT MANAGEMENT**  
**(2019 Pattern) (Semester - V)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) *All Questions are compulsory.*
- 2) *Number showing on the right side indicates full marks.*

**Q1)** Attempt the following. (Any 4).

**[4×5=20]**

- a) Enumerate the benefits of Agile project management.
- b) Explain in brief sprint Retrospective.
- c) Short note on Product Roadmap.
- d) Explain the 4p's of project management.
- e) Delphi Estimation Technique.
- f) Swimlanes in Agile.

**Q2)** a) Explain Software Project Management Life Cycle in brief.

**[5]**

- b) List five software project risks and explain the strategies for reducing those risks.

**[5]**

**OR**

- a) Describe Project and its characteristics.

**[5]**

- b) Elaborate on the roles and responsibilities of a Project Manager

**[5]**

**Q3)** You as a Project Manager are required to give Efforts Estimation for a project of size 240 KLOC for all classes of project.

In addition project also requires.

**[10]**

- a) Storage constraint is High(1.06)
- b) Programmes capability is Low (1.17)
- c) Data base size is Low(0.94)
- d) Remaining all drivers are treated as Nominal

**OR**

**P.T.O.**

Consider a project with following functional units.

- 1) No. of user Inputs - 55
- 2) No. of user Outputs - 25
- 3) No. of user Enquiries = 30
- 4) No. of user files = 05
- 5) No. of External Interfaces = 02

In addition to the above, system requires.

- a) Critical level of Data communication.(5)
- b) Code Reusability (4)
- c) Performance is Significant (4)
- d) System is not designed for multiple instalations (0)
- e) Other complexity factors are treated as average.

Compute Function Points for this project when the weighting factors are average. [10]

- Q4)** a) Elaborate on the agile Concept - Story points. [5]  
b) Explain the four values of Agile Manifesto with its meaning. [5]

OR

- a) Explain Product Backlog and Sprint Backlog in brief. [5]
- b) Short note on Scrum events. [5]

- Q5)** a) Briefly explain the roles and responsibilities of a scrum master. [5]  
b) Discuss Dynamic System Development Method Life Cycle. [5]

OR

- a) Explain value Driven Development in brief. [5]
- b) Discuss the use of Burn down chart in Agile Projects. [5]

- Q6)** a) Explain any two Agile project key metrics. [5]  
b) Explain planning Poker story point estimation technique [5]

OR

Scenario: User wants to request cash from his/her account at any ATM.

- a) Write user story for the scenario above. [5]
- b) Write an Acceptance criteria for the user story in Given/ When/ Then format. [5]

