Maximum: 75 Marks

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc(SS) DEGREE EXAMINATION MAY 2024

(Eighth Semester)

Branch - SOFTWARE SYSTEMS (Five Year Integrated)

DISCIPLINE SPECIFIC ELECTIVE - III; AGILE SOFTWARE DEVELOPMENT

Time: Three Hours

	SECTION-A (1 Answer ALL of ALL questions carry E	questions	1 = 10)
	State the approach used by Agile method i) sequential iii) circular iv) pro	lology to software develops rative ototype	ment.
2.		y strategies of agile? ilestone reviews l of the above	
3.	What do you mean by FDD in agile meth i) Feature Development Driven ii) Feature Driven Development iii) Feature Dynamic Development iv) Feature Development Dynamic	nodology?	
1.	Which three framework activities are predictive development (ASD)? i) analysis, design, coding ii) requirements gathering, adaptive cy iii) speculation, collaboration, learning		elopment
5.	iv) all of the above Which one of the following is not an agi	le method?	iv) Lean
6.	i) XP ii) 4GT How many frameworks does Agile projet i) 2 ii) 3	iii) AUP ect management has? iii) 4	iv) 5
7.	Select the option that suits the Manifesto i) Individuals and interactions iii) Customer collaboration	o for Agile Software Develop ii) Working software iv) All the above	oment.
8.	Which framework helps the team to wor i) Scrum iii)Sprints	k together? ii) Kanban iv) Lean	
9.	 Which of the following are the responsibilities of a Scrum master role in agile methodology? i) Scrum master is a team leader ii) Scrum master helps other members included in the project to work with agile methodology iii) Scrum master is responsible for planning meetings regularly iv) All of the above 		
10.	Which of these is not a scrum pillar? i) Adaptation iii) Inspection	ii) Transparency iv) Focus	Cont

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks $(5 \times 5 = 25)$

11 a. Discuss about the possible failure modes.

OR

- b. Determine the types of success in agile development.
- 12 a. Recommend the activities performed by XP.

OR

- b. Produce an Agile modeling.
- 13 a. Show the factors that affect communication.

OR

- b. What is the ecosystem of a team? Explain.
- 14 a. Highlight the benefits of the Crystal Method.

OR

- Naur says "the programmer's knowledge transcends that given in documentation in at least three essential areas". Justify.
- 15 a. Show the scrum master's responsibilities.

OR

b. Sketch the functionalities of Feature Driven Development.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 8 = 40)$

Question No. 16 is Compulsory

- 16. As a team lead in an Agile computing environment, you notice persistent issues with parsing experience among your team members. How would you address this problem? Develop a solution.
- 17 a. What makes DSDM stand out amongst other system development methods?
 - b. Assess the phases of ASD Life Cycle.
- 18 a. Criticize the Impact of Removing Modalities.

OR

- b. How do you improve agile team communication? Recommend a concept to build trust among team members.
- 19 a. Predict the use of Crystal Method. Comment on it.

OR

- b. Formulate the principles of the Agile Manifesto.
- 20 a. Analyze the working method of Scrum.

OR

b. Explain the concept of Model Driven Development.