

Progressive Education Society's

Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16 (Autonomous)

End Semester Examination: Nov./Dec. 2023 Faculty: Science and Technology

Program: B.S.c. Computer Science Code(BScComp05) Semester: III SET: A Program (Specific):Computer Science Code(BScComp05) Course Type: CC

Class: S.Y.B.Sc(Computer Science)

Name of the Course: Software Engineering

Time: 2 Hrs

Course Code: 23-CS-232

Paper: II

Instructions to the candidates:

- 1) There are 4 sections in the question paper. Write each section on a separate page.
- 2) All Sections are compulsory.
- 3) Figures to the right indicate full marks.
- 4) Draw a well labeled diagram wherever necessary.

SECTION: A

Q.	1) Solve the follow	ing Multiple-Choice Que	stion	[5]				
i)	is responsible for conducting daily scrums.							
a.	Product owner	b. Team members	c. Scrum Mas	ster d. Programmer				
ii)	Which of the follow	wing is not the layer of soft	ware engineering	?				
a.	Tools	b. Quality	c. Process	d. Maintainability				
iii)	ii) technique for translating user requirements into technical requirements.							
a.	SRS	b. QFD	c. UML	d. None of the above				
iv)	A model is a	of reality.						
a.	blueprint	b. detail	c. Software	d. description				
7).	The acronym FUR	PS stands for						
	Functionality, Usability, Responsibility, Performance, security. Functionality, Usability, Reliability, Performance, Supportability.							
	Functionality, Understandability, Responsiveness, Performance, Supportability.							
d.	Functionality, Usability, Relationships, Performance, Security.							

Q2) Attempt ANY FOUR of the following in one sentence:

i. State the full form of QFD.

- ii. Define Use case.
- iii. Describe Functional Requirements and Non-Functional Requirements

[4]

iv.	List Umbrella activities in Software Framework.	
v.	Define Project Velocity.	
vi.	Define Actors.	
	SECTION: B	
Q3) A	ttempt ANY FOUR of the following:	[8]
i.	Explain Unified Process.	
ii.	Explain Industrial XP.	
iii.	Describe the object model. Draw object diagrams for online shopping of books.	
iv.	List and explain the human factors in the agile process.	
v.	Explain prototyping.	
vi.	Explain Requirement elicitation?	
	SECTION: C	
Q4) A	ttempt ANY FOUR of the following:	[8]
i.	Describe the Generic Process Model.	
ii.	State the Agility Principles in agile development.	
iii.	Define artifacts.	
iv.	Prepare the Use case Diagram of the Library Management System.	
v.	Describe the phases of ASD?	
vi.	State the benefits of Analysis patterns.	
	SECTION: D	
	SECTION. D	
Q5) A	ttempt ANY TWO of the following:	[10]
Q5) A i.		[10]
	ttempt ANY TWO of the following:	[10]
i.	ttempt ANY TWO of the following: Explain the Waterfall Model with a suitable example.	[10]