

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2025
(Fifth Semester)

Branch - **COMPUTER TECHNOLOGY**

SOFTWARE ENGINEERING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which one of the following is not an Evolutionary Process Model? a) WINWIN Spiral Model b) Incremental Model c) Concurrent Development Model d) All of the mentioned	K1	C1
	2	What is the major advantage of using Incremental Model? a) Customer can respond to each increment b) Easier to test and debug c) It is used when there is a need to get a product to the market early d) Easier to test and debug & It is used when there is a need to get a product to the market early	K2	C1
2	3	The spiral model was originally proposed by. a) IBM b) Barry Boehm c) Pressman d) Royce	K1	C2
	4	Which is not one of the types of prototypes of Prototyping Model? a) Horizontal Prototype b) Vertical Prototype c) Diagonal Prototype d) Domain Prototype	K2	C2
3	5	RAD Model has a) 2 phases b) 3 phase c) 5 phases d) 6	K1	C3
	6	Which of the following term describes testing? a) Finding broken code b) Evaluating deliverable to find errors c) A stage of all projects d) None of the mentioned	K2	C3
4	7	White Box techniques are also classified as a) Design based testing b) Structural testing c) Error guessing technique d) None of the mentioned	K1	C4
	8	Which of the following is/are White box technique? a) Statement Testing b) Decision Testing c) Condition Coverage d) All of the mentioned	K2	C4
5	9	What are the various Testing Levels? a) Unit Testing b) System Testing c) Integration Testing d) All of the mentioned	K1	C5
	10	Which one of the following is a functional requirement? a) Maintainability b) Portability c) Robustness d) None of the mentioned	K2	C5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Discuss about on Software Process. (OR)	K3	CO1
	11.b.	Illustrate the concept of Agile Process.		
2	12.a.	Explain about Software Requirement process. (OR)	K3	CO2
	12.b.	Construct a Data Dictionary in Requirement Analysis Phase and explain.		
3	13.a.	List the functions of Architectural design. (OR)	K4	CO3
	13.b.	Examine Software Design Model.		
4	14.a.	Compare White box Testing and Black box Testing (OR)	K4	CO4
	14.b.	Analyze the functions of Reengineering Model.		
5	15.a.	Elaborate on FP based estimation. (OR)	K5	CO5
	15.b.	Discuss about project Scheduling in software project management.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 x 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Compare Perspective and Specialized Process Models.	K4	CO1
2	17	Examine the Requirement Engineering process.	K4	CO2
3	18	Discuss User interface design in software project.	K5	CO3
4	19	Analyze different types of testing.	K4	CO4
5	20	Explain RFP Risk Management in Software Engineering.	K5	CO5

Z-Z-Z END