



G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AT)

II.B.Tech. II Sem. Objective – I MID Exam

SET-1

Branch: Computer Science and Engineering

Sub: SOFTWARE ENGINEERING

Date: 07-03-2017

Time: 20 Mins

Max.Marks:10

=====
Choose the correct answer

1. _____ are applicable across the entire software process []
 A)umbrella activities B) Spiral C) RAD D) Task Set
2. KISS stands for []
 A) Keep Information Software Standards
 B) Keep It Simple, Stupid
 C) Keep Innovative Software Standards
 D)Keep ISO-CMM software standards
3. The Spiral Model proposed by _____ []
 A) Gady Booch B) Pressmen
 C) Barry Boehm D) James Gosling
4. _____ establishes the foundation for a complete software engineering process []
 A) Task Set B) Umbrella activity
 C) Coding D) Process framework
5. older programs—often referred to as _____ []
 A) Legacy software B) Old code
 C)Primitive software D) Tradition software
6. The waterfall model, sometimes called []
 A)Lake model B) River model
 C) classic life cycle D) Basic life cycle
7. A variation in the representation of the waterfall model is called the []
 A) V-model B) W-model C) M-model D) K-model
8. Layers of software are quality focus, process, methods and ____ []
 A) Tools B) Functions C) Procedures D) Quality

9. A variation in the representation of the waterfall model is called the []

A) V-model B) W-model C) M-model D) K-model

10. Layers of software are quality focus, process, methods and _____ []

A) Tools B) Functions C) Procedures D) Quality

TRUE OR FALSE

11. RAD stands for Rappid Application Development [True/False]

12. COTS stands for Commercial off-the-shelf [True/False]

13. The concurrent development model, sometimes called concurrent engineering. [True/False]

14. Generic process framework for software engineering encompasses four activities [True/False]

15. PSP stands from Physical Software Process [True/False]

FILL IN THE BLANKS

16. CMMI stands for _____

17. AOSD stands for _____

18. _____ is a quality management technique that translates the needs of the customer into technical requirements for software.

19. The essence of software engineering practice are Understand the problem, Plan a solution, _____ and Examine the result for accuracy.

20. Software myths are _____ Practitioners Myth, Managerial Myths



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(Recognized by UGC under 2(f) & 12(B) & ISO 9001: 2008 Certified Institution)

(II B.Tech II Semester (R15) I-MID Descriptive Examination March 2017)

SOFTWARE ENGINEERING (15A05401)

TIME: 90 MINUTES

(COMPUTER SCIENCE & ENGINEERING)

MAX MARKS: 30

Date: 07-03-2017

PART-I (2*5=10M)

SET NO: I

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1	A Describe Formal Methods Model	2 M	I	C306.1	Understand
	B Justify the statement - Software doesn't "wear out"	2 M	I	C306.1	Evaluate
	C Differentiate Legacy and modern software	2 M	I	C306.1	Analyze
	D Explain the intention of Technical reviews	2 M	I	C306.2	Understand
	E Define CMM-Based Appraisal for Internal Process Improvement (CBA IPI)	2 M	I	C306.1	Remember

PART-II (2*10=20M)

2. (A)	Demonstrate applications of software?	5 M	I	C306.1	Apply
2. (B)	Discuss the architecture of layered technology?	5 M	I	C306.2	Understand

OR

3. (A)	Explain various attributes encountered in the Web Apps	5 M	I	C306.1	Understand
3. (B)	Differentiate Personal and Team process models	5 M	I	C306.1	Analyze

4. (A)	Explain the Process involved in identifying stake holders and justify it is apt.	5 M	II	C306.2	Evaluate
4. (B)	Interpret the importance of Class-based, Scenario-based elements and the come out with the situations of their applicability	5 M	II	C306.2	Apply

OR

5. (A)	Explain various acts involved in Domain analysis?	5 M	II	C306.4	Understand
5. (B)	Justify with an example that the Software patterns are a mechanism for capturing domain knowledge	5 M	II	C306.2	Evaluate



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PART-I (2*5=10M)

SET NO: II

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1 A	Justify the statement - Software doesn't "wear out"	2 M	1	C306.1	Evaluate
B	Differentiate Legacy and modern software	2 M	1	C306.1	Analyze
C	Explain the Umbrella activity Measurement	2 M	1	C306.1	Understand
D	Give outline on SPICE	2 M	2	C306.2	Remember
E	List out the importance of Component-Based Development	2 M	1	C306.4	Remember

PART-II (2*10=20M)

2. (A)	List the types of software myths?	5 M	1	C306.1	Remember
2. (B)	Discuss the architecture of layered technology?	5 M	1	C306.1	Understand
OR					
3. (A)	Diagrammatically explain Barry Boehm model and Analyze its importance over other traditional models	5 M	1	C306.1	Analyze
3. (B)	Software engineering process framework activities are complemented by a number of umbrella activities-Justify	5 M	1	C306.1	Evaluate
4. (A)	Report the importance of Eliciting requirements	5 M	2	C306.2	Understand
4. (B)	Is the stages of Elaboration and Validation of Requirement model is required? Justify	5 M	2	C306.2	Evaluate
OR					
5. (A)	State the Requirement Modeling approaches	5 M	2	C306.2	Remember
5. (B)	Discuss Data modeling concepts in detail	5 M	2	C306.2	Understand



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PART-I (2*5=10M)

SET NO: III

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1	A Describe Embedded Software	2 M	I	C306.1	Understand
	B Discuss three types of requirements of QFD	2 M	II	C306.2	Understand
	C Write about Umbrella activity Software configuration management	2 M	I	C306.1	Remember
	D Justify the importance of ISO 9001:2000 for Software development	2 M	I	C306.1	Evaluate
	E Explain Aspect-Oriented Software Development	2 M	I	C306.1	Understand

PART-II (2*10=20M)

2. (A)	Discuss the architecture of layered technology?	5 M	I	C306.1	Understand
2. (B)	Demonstrate various applications of software?	5 M	I	C306.1	Understand

OR

3. (A)	Diagrammatically demonstrate software process framework	5 M	I	C306.1	Apply
3. (B)	Explain incremental process model diagrammatically	5 M	I	C306.1	Understand

4. (A)	Apprize the importance of Quality function Development	5 M	II	C306.2	Evaluate
4. (B)	Compare the Flow-oriented and Behavioral elements in requirement process	5 M	II	C306.2	Analyze

OR

5. (A)	What is scenario based modeling? Explain	5 M	II	C306.2	Understand
5. (B)	Interpret the comfort hidden in Class-Responsibility-Collaborator Modeling	5 M	II	C306.2	Apply



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(COMPUTER SCIENCE & ENGINEERING)

MAX MARKS: 30

Date: 07-03-2017

PART-I (2*5=10M)

SET NO: IV

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1	A Explain Product line software	2 M	I	C306.1	Understand
	B Narrate two reasons why Legacy software is used even present day.	2 M	I	C306.1	Remember
	C Justify the statement software doesn't ware out	2 M	I	C306.2	Evaluate
	D What is Task set?	2 M	I	C306.1	Remember
	E Explain Class-based elements.	2 M	II	C306.2	Understand

PART-II (2*10=20M)

2. (A)	List all the umbrella activities in process framework?	5 M	I	C306.1	Remember
2. (B)	Discuss the architecture of layered technology?	5 M	I	C306.1	Understand

OR

3. (A)	Explain the five activities of generic process framework	5 M	I	C306.1	Understand
3. (B)	Analyze the functionality of Specialized process model	5 M	I	C306.1	Analyze

4. (A)	Discuss Eliciting requirements	5 M	II	C306.2	Understand
4. (B)	Stand by the statement that the Behavioral and Scenario-based elements are important for requirement gathering	5 M	II	C306.2	Evaluate

OR

5. (A)	Interpret the comfort hidden in Class-Responsibility-Collaborator Modeling	5 M	II	C306.2	Apply
5. (B)	Discuss Class based modeling diagrammatically	5 M	II	C306.2	Understand

Code: 15A05401

R 15

B.Tech II Year II Semester (R15) Regular Examinations May/June 20XX

SOFTWARE ENGINEERING
(Computer Science and Engineering)

Time: 3 hours

Max Marks: 70

1) **PART – I (2M X 10=20M)**

- a) What are the layers of software engineering?
- b) Define the roles in scrum.
- c) State Characteristics of SRS document.
- d) Identify goals of elicitation phase.
- e) List out the components of a Software Design Model?
- f) What is Software Architecture?
- g) What are the steps for user interface analysis and design
- h) List out four command design issues
- i) Explain how Unit testing of a Software System is performed?
- j) Explain Smoke Testing?

PART-II (10M X 5=50M)

- 2) a. Present various applications of software
b. Discuss the architecture of layered technology
OR
- 3) a. Prescriptive Process Models and Specialized Process Models
b. Explain activities of Generic process frame work
OR
- 4) a. Present various Elements of the Requirements Model
b. Patterns for Requirements Modeling
OR
- 5) a. Requirements Modeling Strategies
b. Describe various stages involved in Requirements Engineering
OR
- 6) a. Illustrate the Design Processing involved in software project
b. Brief the Component Level Design for WebApps
OR
- 7) a. Project the Architecture Styles and their benefits in development of an application
b. Present the concepts involved in designing Class-Based Components

- 8) a. The Golden Rules of User Interface Design
- b. Object-Oriented Hypermedia Design Method

OR

- 9) a. User Interface Analysis and Design process
- b. What are the Goals of Interface design

- 10) a. Discuss the Test Strategies of Conventional Software
- b. Object-Oriented Testing Strategies in Testing

OR

- 11) a. Importance of Validation Testing
- b. Explain the Basic Path testing with a suitable example