

C

Reg. No. :

--	--	--	--	--	--	--	--	--	--

**Question Paper Code: 54804**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

Fourth Semester

Information Technology

15UIT404 – SOFTWARE ENGINEERING METHODOLOGIES

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Choose the following one which is related to Waterfall Model CO1- R  
(a) Analysis , Design    (b) Object , Entity    (c) Class , Attributes    (d) Class , Object
  
2. Choose the following one which is not related to Personal Software Process CO2- R  
a) Planning    (c) Low Level Design  
b) Development    (d) High Level Design
  
3. Which of the following is not included in Architectural design decision? CO3- R  
(a) type of application    (c) architectural styles  
(b) distribution of the system    (d) testing the system
  
4. \_\_\_\_\_ is normally considered as an adjunct to the coding step. CO4- R  
(a) Integration testing    (c) Completion of Testing  
(b) Unit testing    (d) Regression Testing

5. Inspections and testing are \_\_\_\_\_ kinds of Quality Costs. CO5- R
- (a) Prevention                      (b) Internal Failure      (c) External Failure                      (d) Appraisal

PART – B (5 x 3= 15Marks)

6. Define Software engineering. CO1- R
7. What is Feasibility study? CO2- R
8. Define Architectural Design. CO3- R
9. What is mean by white box testing? CO4- R
10. State the Planning Process. CO5- R

PART – C (5 x 16= 80Marks)

11. (a) Explain the various Prescriptive Process Models. CO1- U      (16)
- Or
- (b) Explicate Specialized Process Models-Agile models. CO1- U      (16)
12. (a) Explain briefly about Software Requirements process with neat sketch. CO2- App      (16)
- Or
- (b) Describe in detail the various phases of Requirement Elicitation. CO2- U      (16)
13. (a) What is Design process? Explain the different types of software design. CO3- U      (16)
- Or
- (b) Elaborate in detail about Coupling and Cohesion. CO3- U      (16)
14. (a) Explain the fundamentals of Software testing. CO4- U      (16)
- Or
- (b) Compare and contrast Black box testing and White box testing. CO4- Ana      (16)
15. (a) Explain Planning process and Project Metrics with an example. CO5- U      (16)
- Or
- (b) Give a detail note about RFP Risk Management. CO5- U      (16)