

Course: 16CA203 - Software Engineering

Event: BCA - December 2018



	USN NO:	
	III Semester B.C.A. Examinations – December 2018 / Jan	nuary 2019
Dura	se Title: Software Engineering Cou tion: 03 Hours : 10:00 AM to 01:00 PM	rse Code: 16CA203 Date: 28-12-2018 Max Marks: 60
Note:	 Answer 5 full questions choosing one from each Section Each Section carries 12 Marks Draw neat sketches wherever necessary Missing Data may be suitably assumed 	
	SECTION - 1	
1.a.	Explain about software characteristic.	(04 Marks)
1.b.	Discuss about the evolving role of software.	(04 Marks)
1.c.	Explain about Water fall Model.	(04 Marks)
	OR	
2.a.	What is software? What are the applications of software?	(04 Marks)
2.b.	With a neat block diagram explain the following process models and w	
	their advantages and disadvantages: (i) Incremental Model (ii) Spiral Model	(08 Marks)
	SECTION - 2	
3.a.	Discuss the problems with using natural languages for requirer specification?	nent (03 Marks)
3.b.	Write short note on requirements specification.	(03 Marks)
3.c.	Explain about the functional and non-functional requirements and give examples to each type.	e the (06 Marks)
	OR	
4.a.	Why is an elicitation and understanding requirement from systakeholders a difficult process?	stem (06 Marks)
4.b.	Explain about Requirements management process.	(06 Marks)
		(P.T.O)



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SECTION - 3

5.a.	What are the basic guidelines that can help us do requirements analysis work?	(06 Marks)
5.b.	Explain about entity relationship diagram with suitable example.	(06 Marks)
	OR	
6.a.	Differentiate between ERD and DFD?	(02 Marks)
6.b.	Write a short notes on: (i) class and class types (ii) Defining attributes	(04 Marks)
6.c.	Draw the Use case diagram for ATM system and explain it?	(06 Marks)
	SECTION – 4	
7.a.	What is the cost of quality? Discuss it	(03 Marks)
7.b.	What are the factors are required to achieve the software quality?	(04 Marks)
7.c.	What are the McCall's Quality Factors? Explain	(05 Marks)
	OR	
8.a.	What are the ISO 9126 Quality Factors? Explain.	(04 Marks)
8.b.	What is software quality? Explain about quality dimensions.	(08 Marks)
	SECTION - 5	
9.a.	What is software reliability and software safety?	(04 Marks)
9.b.	What is SQA? What are the goals of SQA?	(04 Marks)
9.c.	Discuss about the statistical SQA?	(04 Marks)
	OR	
10.a.	What are functional technical Reviews and what are not functional technical Reviews?	(04 Marks)
10.b.	What is formal technical review? What are the objectives of the FTR?	(04 Marks)
10.c.	What is the reference model for technical reviews? Explain it.	(04 Marks)

DAYANANDA SAGAR UNIVERSITY Question paper

Dayananda Sagar University

Course: 16CA203 - Software Engineering Event: ODD SEM BCA (DEC 2017)

IONDVS 27-01-2018 1/5

Question paperDayananda Sagar University



DAYANANDA SAGAR UNIVERSITY

	PA MEALEN.	
	USN No:	
	III Semester BCA Examinations - December 2	2017
Dι	ourse Title: Software Engineering uration: 03 Hours me: 10:00 AM to 01:00 PM	Date: 23-12-2017 Max Marks: 60
No	 1. Answer 5 full questions choosing one from each section 2. Draw neat sketches wherever necessary 3. Missing Data may be suitably assumed 	
	SECTION - 1	
1.a.	Define Software. List and Explain any four Software Application Dom	nains. (06 Marks)
1.b.	Explain the Linear Sequential Model of software development.	(06 Marks)
	OR	
2.a.	Write briefly about the evolving role of software.	(06 Marks)
2.b.	Discuss the management myths in detail.	(06 Marks)
	SECTION – 2	
3.	Explain the process of Requirement Elicitation and Analysis.	(12 Marks)
	OR	
4.a.	Explain Ethnography.	(06 Marks)
4.b.	What is Requirement Management Planning?	(06 Marks)
	SECTION – 3	
5.	Explain how to identify object classes for a system with the case s Weather Station.	study of a (12 Marks)
	OR	
6.a.	What is analysis model? What are its elements?	(06 Marks)
6.b.	What are the characteristics of a well formed design class?	(06 Marks) (P.T.O.)

IONDVS 27-01-2018 2 / 5

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IONDVS 27-01-2018 3/5

	SECTION – 4	
7.	What are the dimensions of a Design Model?	(12 Marks)
	OR	
8.a.	Explain Cohesion and Coupling.	(06 Marks)
8.b.	Explain Layered Architecture.	(06 Marks)
	SECTION - 5	

9.a. Explain Garvin's Quality Dimension. (06 Marks)9.b. Write short notes on Cost of Quality. (06 Marks)

OR

10.a. What is Baseline? With a diagram, show the common software baselines. (06 Marks)

10.b. What is Version Control? (06 Marks)

IONDVS 27-01-2018 4 / 5

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	III Semester B.C.A. Examinations – December 2018 / Jan	nuary 2019
Dura	se Title: Software Engineering Cou tion: 03 Hours : 10:00 AM to 01:00 PM	rse Code: 16CA203 Date: 28-12-2018 Max Marks: 60
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		(P.T.O)



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SECTION - 3

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10.b.	What is formal technical review? What are the objectives of the FTR?	(04 Marks)
10.c.	What is the reference model for technical reviews? Explain it.	(04 Marks)

Dayananda Sagar University



School of Engineer Department of Comput Application

Internal Question Paper I

Class:

3rd Semester, BCA

Course:

SOFTWARE ENGINEERING

Course code:

16CA203

Date:

12/09/2019

Time:

10.00 – 11.30 AM

Max. Marks:

50

Note:

Answer any FIVE full questions

Q. No.	Questions	Cogniti ve Level	Marks
• 1	a)Explain waterfall model with neat diagram? b)Explain incremental model with neat diagram?	L2	10
2	a)Explain with diagram the spiral life cycle model? b)Write short notes on requirement elicitation?	L1	10
3	a)What is software? Explain the types of software with example? b)Explain the attributes of good software?	L2	10
4	Define the following? • Software processes • Software process model • Software engineering • Evaluate Listen Work up	L2	10
5	What is SRS? Describe how to prepare a software requirement specification document?	L3	10
6	Write short notes on Agile Development methods?	L2	10