		OTHI CO/	K24U 0831	K241
Reg.	. No. :	se in tunoto oriente calign.	Explain the design phase	itt
Nam	e:ioliqinae	bb nois (KANTING DT.) serinco erti	Explain the following In	12.
IV	Improvem	e (CBCSS – OBE – Regular / nent) Examination, April 2024	II) Design entity,	
	(201	19 to 2022 Admissions) Core Course	Explain inheritance pro	13.
	4B08BCA	: SOFTWARE ENGINEERING	Justify the benefit of m	†4.
Time	e : 3 Hours	PART - A	Max. Marks : 40	
	(4×3=12)	(Short Answer)	er any 4 questions .	Answ
An	swer all questions.	ess ? List out #2 \$ " Programy	oorg enswifto(6×1≒6) N	15.
1.	Define software.		process.	
2.	What is meant by concept	t exploration in software developr	Explain the three? then	16.
3.		f requirement engineering activity		17.
4.	Differentiate between obje	ect oriented design and function o	riented design.	.81
5.	What is meant by aggrega	ation of classes ?	Compare and contrast	.01
6.	Define the term 'test case	govern beard	i) Describe data flow i	.05
	(241)	X = 3 (ii) Explain definition	
Ansı	wer any 6 questions.	(Long Essay)	(6×2=12)	
7.	Define incremental softwa	re model.	wer any 2 questions :	ren A
8.	What does win-win mean in engineering activity?	n the context of negotiation during		21,
9.	What are the basic guid gathering?	elines for conducting meeting		22.
10.	Explain the consequences specification.	s of inconsistencies in the software	Describe various cones atnemeriuper en Elaborate on black box	23.

K241	K24U 08(880 U	
11.	Explain the design phase in function oriented design.	Red
12.	Explain the following in the context of software design description : i) Design constraint ii) Design entity (1+1)	
13.	Explain inheritance property in object oriented designing.	
14.	Justify the benefit of mixed integration testing.	
	Oh : shisM xsM PART - C shisM xsM (Essay)	Tim
Answ	ver any 4 questions : (4×3=12)	
15.	What is software process? List out the activities involved in a software is now process.	
16.	Explain the three levels of software design	
17.	Explain the design process of object oriented designing, sonsofting a entire tentily	E
18.	Illustrate the concept of composition in object oriented designing. 45d etalmorethic	4
19.	Compare and contrast bottom-up and top-down integration testing strategies.	5.
20.	i) Describe data flow based testing.	.8
	ii) Explain definition – use chain of a variable. (2+1)	
	(6x2=12) (Long Essay) (6x2=12)	Ans
Ansı	wer any 2 questions :	7.
21.	What are the desirable characteristics of well-engineered software?	.8
22.	Explain the outcomes of requirements gathering phase, bigg piece and east saft.	9.
23.	Describe various cohesion types. stnemeriuper erawflos ent ni seignetsianooni to segmenpeanoo ent nisigxa.	10.
24.	Elaborate on black box testing and black box test case designing.	

K23U 1075 Reg. No.:.... 12. What is an Object ? Name : 13. What is a test case ? IV Semester B.C.A. Degree (CBCSS - QBE Regular/ Supplementary/ Israw Br Improvement) Examination, April 2023 (2019 Admission Onwards) 4B08BCA : SOFTWARE ENGINEERING A VIDE JEWERLA SEED A VIDE JEWERLA (4x3=12) Time: 3 Hours of seeong themetal bas labor flateten neewed e Max. Marks: 40 21 16. What is meant by requirement excitation? Explain yadous steps of requirement answer Short answer. Answer all questions. Explain the Importance and objectives. What is meant by SRS? testing small modules are tested in isolation. 2 such as yell as IsriW . 21 Risk management is an important feature of 20. Briefly explain boundary v 4. Actors are represented as stick figure in diagram. testing we ignore the internal structure of the code. Long essay. Answer any 2 question Explain alpha testing. se hardware 21. Discuss the characteristics of Sol 22. Describe (a) Prototyping model and (b) Short essay. Answer any 6 questions.

(6x2=12)

(6x2=12) 7. State the difference between a program and a software. 24. What is structural testing Cyclomatic Complexity Explain waterfall model. 9. What is a prototype ? 10. What is meant by context diagram ?

List out any 4 design notations.

P.T.O.

K23U 1075 0 F UESXI	
12. What is an Object ?	eg. No. :
13. What is a test case ?	
14. What is the main difference between black box testing and white to cook in a cook name of the cook in the cook	
Essay. Answer any 4 questions remains Essay. Answer any 4 questions remains re	08A (4×3=12)
15. Discuss the difference between waterfall model and Increment pro	
16. What is meant by requirement elicitation? Discuss any 1 elicitation in detail.	techniques
17. Explain various steps of requirement analysis.	Short answer. Answer
18 Explain the importance and phiectives of design phase	What is meant by SI
19. What are the various symbols used in DFD. Explain Level0, Level Level2 diagrams and its importance?	
20. Briefly explain boundary value analysis	. Risk management is
PART – D	Actors are represent
Long essay. Answer any 2 questions	i. Inte (01=2×2) iii. Explain alpha testing
21. Discuss the characteristics of Software comparing it with that of the	e hardware.
22. Describe (a) Prototyping model and (b) RAD model.	Sand again Against au

23. Write notes on (a) use case diagram and (b) activity diagram.

24. What is structural testing? Write notes on flow graph, DD path graph and Cyclomatic Complexity.

9. What is a prototype ?

10. What is meant by context diagram ?

11. List out any 4 design notations.

K22U 1510

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Reg	J. No. :
Nan	ne :
	IV Semester B.C.A. Degree CBCSS (OBE) Regular/Supplementary/ Improvement Examination, April 2022 (2019 Admission Onwards) Core Course 4B08BCA : SOFTWARE ENGINEERING
Tim	ne : 3 Hours Max. Marks : 40
	PART – A
	(Short Answer)
An	swer all questions : (6×1=6)
1.	What do you mean by Software ?
2.	document is the final outcome of the requirements analysis and
	specification phase.
3.	The GUI part of software system is almost always developed usingmodel.
4.	ADT stands for
5.	RAD stands for
6.	DFD stands for
	PART – B
	(Short Essay)
Ar	swer any 6 questions : (6×2=12)
7.	What is functional independence of modules?
8.	What is the main objective of code walk-through?
9.	What do you mean by testing?
10.	Explain control flow graph.
11.	What do you mean by feasibility study?

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- 12. What do you mean by multiple inheritance ?
- 13. What do you mean by structured programming?
- 14. How is the SRS document validated ?

PART – C (Essay)

Answer any 4 questions:

 $(4 \times 3 = 12)$

- 15. What is the use of software documentation?
- 16. Explain importance of standard style of coding.
- 17. Explain SDLC.
- 18. Explain main two approaches in software design.
- 19. What is the role of requirement analysis in software design?
- 20. Mention the characteristics of a good software design.

PART – D (Long Essay)

Answer any 2 questions :

 $(2 \times 5 = 10)$

- 21. Levels of software product testing.
- 22. Explain different approaches of software design.
- 23. Characteristics of a good SRS document.
- 24. Discuss the life cycle of classical waterfall model.

K21U 1074 Reg. No.: Name : IV Semester B.C.A. Degree CBCSS (OBE) Regular Examination, April 2021 (2019 Admission Only) **Core Course** 4B08BCA: SOFTWARE ENGINEERING Max. Marks: 40 Time: 3 Hours PART - A (Short Answer) Answer all questions. 1. SDLC stands for 2. What is Slack Time? Explain Unit Testing. SRS document is formal specification of system. True or False. 5. UML stands for RAD stands for PART - B (Short Essay) (6×2=12) Answer any 6 questions. 7. What do you mean by Software engineering? 8. Differentiate Programs and Products. 9. Discuss the importance of feasibility study in software development. 10. Explain Cohesion and Coupling. 11. Explain Multiple Inheritance.

P.T.O.

K21U 1074

12. What is code inspection?

13. Explain Alpha and beta testing. (180) 22020 eerood A.O.a refreemed VI

14. What is the need of validation?

PART - C 102 : A088084

(Essay)

Answer any 4 questions.

 $(4 \times 3 = 12)$

2. What is Slack Time?

15. Explain different types of Software Development Projects.

16. What is requirement analysis?

17. Explain main classifications of design activities.

18. Explain different approaches of software design.

19. Advantages of object oriented design.

20. Differentiate verification and validation to not soft of the second and the s

PART - D

(Long Essay)

Answer any 2 questions.

 $(2 \times 5 = 10)$

6. RAD stands for

21. Discuss different software life cycle models.

22. Explain different types of testing.

23. Explain importance and objectives of software design. 2 vd risem bey ob farlW . T

24. Discuss various steps of requirement analysis on a managed eleginestellid 3

O Evaluin Cohesian and Coupling

11. Explain Multiple Inhentance