

BCH-003-1015015 Seat No. _____

B. Sc. (Sem. V) Examination

August - 2021

CS - 503 : Software Engineering and Linux

(New Course)

Faculty Code: 003

Subject Code: 1015015

Tim	e : $2\frac{1}{2}$ He	ours]			[Total	Marks :	70
Ins	cruction:	Attempt a	ny five qu	estions.			
1 (a) Aı	swer the fo	llowing					[4]
1.	related and	is an organized linked to each h a specific task	other to inte				
2.	The docum	ent prepared af	ter the desig	n phase is kno	wn as	•	
3.	ca	an be defined as	s most recen	t and perhaps the	he most		
	comprehen	sive technique	for solving	computer probl	lems.		
4.		d for describing as	the logic of	f the decisions	to be tak	en	
(b) De	fine the term	Information Sy	ystem.				[2]
		Systems Analy					[3]
		finding technique	ue? Explain	Interview tech	nique in	detail.	[5]
	swer the fol	_	~				[4]
		term Business S	•				
		ep of SDLC Pro	-			ne?	
	=	an be done in v	_	of SDLC	······•		
		ll form of DFD	•				
• •	hat is Questi		~1				[2]
		se Case Diagran		-			[3]
(d) Ex	plaın Actıvıt	y and Use Case	Diagram w	ith example.			[5]
3 (a) Ar	swer the fol	llowing objecti	ve question	s: (all compul	sory)		[4]
1.	-	raterfall model (s	to understan	d the customer	requirer	nents	
2		l, why test case	s ore oreoted	l hafara aada?			
		full form is		i pointe cone;			
		product quality		proposed in M	oColl'a c	molity mode	J9
т.	110W many	product quanty	iaciois ale	brohosen iii ivi	ccan s c	luanty mout	71. (

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[Contd....

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	Model? nd disadvantages of Spiral Mo ? Explain Waterfall Model usin	
4 (a) Answer the following o 1 offers mi 2. What is Six-Sigma? 3. Define ISO 9126. 4. The diagrammatic re a spiral with many le	bjective questions: (all compini-model of the proposed system of mode oops.	ulsory) [4] em.
(b) Define prototype in Proto(c) Write a note on V model.	• • •	[2]
	ty Models? Explain Six Sigma	a and McCall's [5]
monitoring and cont 3. Which activity is ca	all form is ntation is suitable for project p	lanning, Testing?
(b) What is Software Risk(c) Explain Black Box Tes(d) Explain Software Cost	_	[2] [3] MO Model. [5]
6 (a) Answer the following	g objective questions: (all co	mpulsory) [4]
 approasof the expert judgm Full form of PERT What is Project Ri What is Testing? 	Γ is	the shortcomings
(b) Differentiate Test Case	e and Test Script.	[2]
(c) Write a note on Schedu	ıling using PERT chart.	[3]
(d) Explain SRS (Software	e Requirement Specification)	in detail [5]
 (a) Answer the following Who is the develop Give the full form of What is the pipe confidence of Define Touch common the following 	of FSF. ommand?	mpulsory) [4]
(b) Define the term open		[2]
(c) Write a note on structu		[3]
(d) Explain the Unix Arch	itecture and Features of Unix	z. [5]
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8(a) Answer the following objective questions: (all compulsory)				
1. Who is the developer of Linux OS?				
2. The directory contains configuration files in Linux?				
3. What does the pwd command do?				
4. What is the use of cd command?				
(b) Explain the following commands: news, mail	[2]			
(c) Explain redirection operator.				
(d) What is Unix File System? Explain the Types of Files in detail.				
9 (a) Answer the following objective questions: (all compulsory) 1. Define MATE.	[4]			
2. Which command is used to save and exit in VI.				
3. Define the term system variable.				
4. What are Positional parameters?				
(b) Define X-Windows system.	[2]			
(c) Explain Test command with example.				
(d) Explain Unity and KDE.				
10 (a) Answer the following objective questions: (all compulsory)1. Which key is used to save and close the vi editor?	[4]			
2. Which command is used to record a session in linux?				
3. Full form of GNOME?				
4. LXDE is Light Weight X11				
(b) Define SUDO.				
(c) Explain case statement with example.				
(d) Explain types of window manager.	[5]			