Code No: MC204B3/R20

MCA IV Semester Regular/Supplementary Examinations, June-2023

SOFTWARE TESTING METHODOLOGIES

Time: 3 Hours

Max, Marks 70

Answer any FIVE Questions One Question From Each Unit All Questions Carry Equal Marks

		UNIT-I	(14M)
l ₁		Explain the model of testing in detail. Also render software testing life eyele model. Justify whether complete testing is possible or not.	[1,4,44]
		OR	[7M]
2.	a)	Discuss about verification and validation with an example,	[7M]
	b)	Explain about the software testing terminology with an example. **UNIT-II**	,
3,	a)	How do you represent Graph matrices for testing process? Device the same with example.	[7M]
	b)	Explore on State Table based testing and Error guessing.	[7M]
		OR	[14M]
4,		Explore in detail about black box testing techniques with examples and neat sketches.	[129,71]
		UNIT-III	
5.	a)	List various regression testing techniques.	[7M]
	b)	Differentiate between dynamic testing and static testing.	[7M]
		OR	
6.	a)	Define integration testing. Explain about path-based integration.	[7M]
	b)	Compare and contrast Integration testing with functional testing. UNIT-IV	[7M]
7,	a)	Discuss about Additional statement coverage prioritization.	[7M]
	b)	What are the quality aspects to be considered in web testing? Discuss briefly, OR	[7M]
8.		Discuss the following. Illustrate with an example	[14M]
		i) Total statement coverage prioritization	,
		ii) Total branch coverage prioritization	
		UNIT-V	
9,	a)	What is inheritance testing? Explain in detail.	[7M]
	b)	Describe briefly about how the mobile systems are tested. OR	[7M]
10.	a)	List various types of testing tools with examples.	[7M]
	b)	What are the various costs incurred in Testing tools? Explain.	[7M]

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Code No: MC204A2/R20

MCA IV Semester Regular/Supplementary Examinations, May-2023

HUMAN RESOURCE MANAGEMENT

Max. Marks: 70 Time: 3 Hours

T	ime:	Answer any FIVE Questions One Question From Each Unit	
		All Questions Carry Equal Marks	
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		UNIT-I	[7M]
	a)	Define Human Resource Management and state the functions of HRM.	[7M]
	b)	Describe the emerging trends in Human Resource Wanagemen	c71.41
		(OR)	[7M]
	a)	Elucidate the Evolution of Human Resource Management in India. What are the cross-cultural problems faced by the companies and how do you solve	[7M]
	b)	What are the cross-cultural problems faced by the company	
		them?	[7M]
		1 1 6 manufement	[7M]
	a)	Discuss various methods of recruitment. What is human resource planning? State its importance for the organization.	[,
	b)	(OK)	[7M]
	a)	What are the various training evaluation methods? Explain.	[7M]
	b)	What are the methods of human resource forecasting. Diedast	
	0)		[7M]
	a)	What are the factors affecting wage and salary administration?	[7M]
	b)	What are the laws related to the payment of wages: Explain.	
		(OR)	[7M]
	a)	Discuss the nature and scope labour welfare.	[7M]
	b)	Explain various non-statutory welfare measures. UNIT-IV	
		Critically explain how do you evaluate the employee using 360-degree performance	[7M]
	a)	Critically explain now do you evaluate the employer	
	• .	appraisal system and BARS? Discuss the need for performance evaluation in the organizations.	[7M]
	b)	(OR)	563.63
	- \	Describe the stages of career development.	[7M]
	a)	Narrate the goals of counselling.	[7M]
	b)	UNII-V	(7) (1)
	a)	Define Industrial Relations and narrate its objectives.	[7M]
	b)	Explain the process of collective bargaining.	[7M]
	U)	(OR)	[7] (1)
	a)	Discuss the grievance handling procedure in the organizations.	[7M]
	b)	How do you manage the stress in the work places?	[7M]
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["[[["[]"[]"]"]]

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Answer ONE question from each siste All Questions Carry Equal Marks (5 x 14 = 1904)

All parts of the questions must be answered at one place only

13	W]	" 1				
1	â	Outline the importance of testing? List out the different testing phase	ec Ger	20	160	000
		the evolution of software tenting and explain	ear 1881	Distr.	11	(mark)
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	4	Explain the sectlication and validation nativities	1	62 6	10	TIME
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	B	What is regression tenting and explain the aggression testing types	81	COS	0000	37
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10		Illustrate software quality metrics				
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B *	ı,	Discuss MA models				
b) [Write short note on lest saids prioritization	12	COA	OW	
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*	3.7	iscuss the guidelines for automated testing	11-000-1-	005	((7164) ((7160)	
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Code No: MtC204B3/R20

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MCA IV Semester Regular Examinations, July-2022

SOFTWARE TESTING METHODOLOGIES

Answer any FIVE Questions One Question From Each Unit All Questions Carry Equal Marks UNIT-1		SOFTWARE TESTING WISTHODOGO Max. Marks: 70	
Answer any FIVE Questions One Question From Each of All Questions Carry Equal Marks UNIT-1 a) State the myths and fasts about software testing. Explain in detail the relationship between software test life cycle and software development life cycle. (OR) 2 a) Discuss in detail about evolution of software testing. b) Explore on software testing methodology in detail. UNIT-11 3 a) What are all various types of errors detected by black box testing? Explain. b) Discuss on Basis path testing with a neat sketch. (OR) 3 Explain about Cause-effect graph based testing and Decision table based testing. Write applications of data flow testing. UNIT-111 b) Differentiate between unit testing and integration testing with an example. 7 M b) Differentiate between progressive and regressive testing process. (OR) 2) What is static testing? Discuss in detail about parts of static testing. Write short notes on (i) Quality types (ii) Quality factors. b) Discuss on SQA models. (OR) 2) Write short notes on (i) Quality types (ii) Quality factors. b) Write short notes on (ii) Quality types (iii) Quality factors. b) What is the need for minimizing test cases in a project? Illustrate with an example. 2) What is the need for minimizing test cases in a project? Illustrate with an example. 3) UNIT-V 2) List the quality aspects of a website and perform performance testing for it. What is the testing and maintenance problems introduced with object-oriented software? Discuss. (OR) List and explain various guidelines Automated testing. Write about the following:	Tir	ne: 3 Hours	_
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Lode No: MC204A2/R20

MCA IV Semester Regular Examinations, July-2022

HUMAN RESOURCE MANAGEMENT

Time: 3 Hours

Max. Marks: 70

		Answer any FIVE Questions One Question From Each Unit All Questions Carry Equal Marks	
		UNIT-I	Marks
1.	a)	Define Human Resource Management and explain its scope.	7M
	b)	Explain the cross-cultural problems of HRM in the Global scenario.	7M
		(OR)	
2.	a)	Discuss the challenges faced by HRM.	7M
	b)	Elaborate the ethical aspects of HRM.	7M
		UNIT-II	
3.	a)	Evaluate the various methods of training.	7M
	b)	Describe the various techniques of HRM forecasting techniques.	7M
		(OR)	m1. f
4.	a)	Describe the various sources of recruitment.	7M
	b)	How do you evaluate the training effectiveness? Discuss.	7M
		UNIT-III	
5.	a)	What are the elements of wage and salary administration? Explain.	7M
	b)	Evaluate the laws (Payment of Wages Act, Minimum Wages Act and Payment of	7M
		Bonus Act) relating to wages in India.	
		(OR)	
6.	a)	Define labour welfare and discuss its scope and importance.	7M
	b)	Explain various statutory welfare measures.	7M
		UNIT-IV /	
7.	a)	Why do organizations need employee performance appraisals? Discuss.	7M
	b)	Explain the modern methods of performance evaluation.	7M
		(OR)	
8.	a)	What is career development? Explain its importance.	7M
	b)	Explain the different methods of counselling.	7M
	-,	UNIT-V	
).	a)	Discuss the scope and importance of industrial relations.	7M
•	b)	Describe the growth and development of Trade Unions in India.	
	0)	(OR)	7M
o.	a) /		-
U.		What is grievance? Explain the procedures available to handle the grievances.	7M
	b)	What are the pros and cons of employee stress? Discuss.	7N
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H.T.No: 21 A 9 1 F D D 3 2

Course Code: 203MC4E12

ADITYA ENGINEERING COLLEGE (A)

MCA - IV Semester End Examinations Regular & Supplementary (AR20) - JUN 2023

HUMAN RESOURCE MANAGEMENT

Time: 3 hours Max. Marks: 70

Answer ONE question from each unit All Questions Carry Equal Marks

All parts of the questions must be answered at one place only

113	NIT -	*			
1	VIII	Define HRM and what are the functions of Human Resources Management?	L1	CO1	[7M]
	b	Design an effective HR Policies in your view to increase organization Performance.	L5	CO1	[7M]
		OR			
2	a b	Explain the role of HR Manager in in organization development. What are the challenges faced by the HRM in present scenario?	L3 L3	CO1	[7M] [7M]
TIN	VIT -	II			
3		What are the objectives of HR Planning, Explain its importance in organization growth.	L2	CO2	[7M]
	b	Define Recruitment. What are the various methods of Recruitment? OR	L3	CO2	[7M]
4	а	How training needs will be identified in the organization?	L4	CO2	[7M]
•	b	Write a note on Job Description and Job Specification.	L4	CO2	[7M]
	U	Write a note on 300 Description and 300 specification.	٠.	002	[]
r 13	mr	TIN			
	•	What are the fraction influencing on wage and colour administration?	τ 4	CO3	[7](1)
٥,	المقريه	What are the factors influencing on wage and salary administration?	L4		[7M]
	Ь	Explain the legal frame work to be followed by the Employer in Payment of Wages.	L4	CO3	[7M]
		OR		000	500 (1)
6	3/	What are the incentives you suggest to motivate the employee?	L5	CO3	[7M]
-	b	Explain the statutory welfare measures should be implemented by the employer?	L3	CO3	[7M]
7.73	TT.	***			
_	VIT -		1.0	COA	[7] (]
7	a	Define Performance Appraisal and What are the Modern Methods of Performance Appraisal?	LZ	CO4	[7M]
	L	Explain the latest trends in Performance Appraisal and how it will be	13	CO4	[7M]
	طر	•	LJ	CO4	[/1/1]
		useful to the employees and employers.			
•		OR	12	CO4	(7) (1
8	a	What are the different types of methods of payment?	L3	CO4	[7M]
	b	What mechanism HR should follow in payment of compensation at	L3	CO4	[7M]
		International Level?			
UN	IT -				
9	X	Define Industrial Relations. Explain the role of Trade unions in settling	L3	CO ₅	[7M]
4		workers problems.	r 0	00-	
	b	What are the stages of Employee Participation in Management?	L2	CO ₅	[7M]
•		OR			
10	a	Discuss model grievance procedure observed by the organiations.	L3	CO ₅	[7M]
	b	How organizations manage work place stress?	L3	CO ₅	[7M]
		* * * * * * *			

Course Code: 203MC4E17

ADITYA ENGINEERING COLLEGE (A)

MCA - IV Semester End Examinations Regular & Supplementary (AR20) - JUN 2023

SOFTWARE TESTING METHODOLOGIES

Time: 3 hours	Max. Marks: 70	
Answer ONE question from each unit		
All Questions Carry Equal Marks All parts of the questions must be answered at one	nlace only	
All parts of the questions must be answered at one		
UNIT - I 1 a List and explain the goals of the software testing b Distinguish between the Effective Vs Exhaustive testing	L2 CO1 L3 CO1	[7M] [7M]
OR Demonstrate about the verification requirements Illustrate the life cycle of testing.	L3 CO1 L2 CO1	[7M] [7M]
UNIT – II 3 a Summarize the boundary value analysis b Discuss about the state table based testing. OR	L2 CO2 L2 CO2	[7M] [7M]
4 a Explain about the cylomatic complexity of path testing b Demonstrate the loop testing	L2 CO2 L3 CO2	[7M] [7M]
UNIT - III 5 a Discuss about the role of members in structured walkthroughs b Illustrate the Inspection process in testing OR	L2 CO3 L2 CO3	[7M] [7M]
 6 a Explain in detail about the unit testing b Enumerate and explain the categories of system testing 	L2 CO3	[7M]
UNIT – IV 7 Illustrate the process in defining the test suite minimization proble Elaborate about the factors influencing the Software Quality OR	L3 CO4 L2 CO4	[7M] [7M]
 a Demonstrate about the test-suite prioritization b Discuss in detail about the SQA Models 	L2 CO4 L2 CO4	[7M] [7M]
UNIT - V 9 Discuss the need of the Automation b Infer the importance of the analysis and design of web based system OR	L2 CO5 Ems L3 CO5	[7M] [7M]
10 a Demonstrate the challenges in testing for web based software b Explain the factors for the selecting the testing tools ******	L3 CO5 L2 CO5	[7M] [7M]