H.T.No: 2 2 A 9 1 F 0 0 3

ADITYA ENGINEERING COLLEGE (A)
MCA – IV Semester End Examinations Regular & Supple (AR20) – MAY 2024

SOFTWARE TESTING METHODOLOGIES
(Professional Elective – IV)

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

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UNIT – I

1	a	Discuss in detail about evolution of software testing.	L2	CO1	[7M]
	b	Explain about Myths related to software testing and its facts.	L2	CO1	[7M]

OR

2	a	Differentiate between effective and exhaustive software testing.	L4	CO1	[7M]
	b	Briefly discuss about software testing life cycle.	L2	CO1	[7M]

UNIT – II

3	a	Which type of testing is possible with Boundary Value Analysis? Illustrate with example.	L3	CO2	[7M]
	b	Nested loops are problematic areas for testers. Justify.	L4	CO2	[7M]

OR

4	a	How do you expand immaterial test cases in decision table testing? Illustrate with an example.	L3	CO2	[7M]
	b	Discuss about the need of white box testing.	L3	CO2	[7M]

UNIT – III

5	a	Briefly discuss about Inspections and structured walkthroughs.	L2	CO3	[7M]
	b	Explain about various regression testing techniques.	L2	CO3	[7M]

OR

6	a	Differentiate between progressive and regressive testing process.	L4	CO3	[7M]
	b	Explain about unit testing with an example.	L3	CO3	[7M]

UNIT – IV

7	a	Discuss how to minimize the test suite and its benefits.	L2	CO4	[7M]
	b	Briefly discuss about SQA models.	L2	CO4	[7M]

OR

8	a	Explain about Software Quality Metrics in detail.	L2	CO4	[7M]
	b	How debugging is different from testing? Illustrate with an example.	L3	CO4	[7M]

UNIT – V

9	a	Briefly discuss about guidelines for automated testing.	L2	CO5	[7M]
	b	Describe the testing process in object oriented softwares.	L2	CO5	[7M]

OR

10	a	Discuss about challenges in testing for web based software.	L2	CO5	[7M]
	b	Explain about test automation using selenium tool.	L2	CO5	[7M]

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ADITYA ENGINEERING COLLEGE (A)

MCA – IV Semester End Examinations Regular & Supplementary (AR20) – MAY 2024

HUMAN RESOURCE MANAGEMENT

(Professional Elective – III)

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

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UNIT – I

1. a What is HRM? Explain the principles of HRM.   L2 CO1 [7M]
   b Demonstrate the HR strategies to increase firm's performance.   L2 CO1 [7M]

                                  OR

2. a Describe the evaluation of HRM   L2 CO1 [7M]
   b Identify the emerging trends in HRM.   L2 CO1 [7M]

UNIT – II

3. a Define HR Planning? Explain its objectives in detail.   L2 CO2 [7M]
   b Define the term 'Training' Explain about different methods of training. L2 CO2 [7M]

                                  OR

4. a Illustrate the concept of management development in detail.   L2 CO2 [7M]
   b Define HRD. Explain the nature of HRD in detail.   L2 CO2 [7M]

UNIT – III

5. a Explain the differences between Wage and Salary.   L2 CO3 [7M]
   b Demonstrate the legal frame work of Wage and Salary administration. L2 CO3 [7M]

                                  OR

6. a What is welfare management? Explain its significance in detail.   L2 CO3 [7M]
   b Outline the incentive mechanisms in detail.   L2 CO3 [7M]

UNIT – IV

7. a Define performance appraisal. Explain its importance.   L2 CO4 [7M]
   b Explain the technique of MBO in detail which is used in the organization. L2 CO4 [7M]

                                  OR

8. a Define compensation. Explain its principles in detail.   L2 CO4 [7M]
   b Illustrate the compensation mechanisms at international level.   L2 CO4 [7M]

UNIT – V

9. a Define trade unions. Explain the problems faced by trade union in detail. L2 CO5 [7M]
   b Define Employee Participations. List out the different schemes.   L2 CO5 [7M]

                                  OR

10. a Outline the different work hazards prevailing at the work place of an L2 CO5 [7M]
       organization in detail.
    b List out the ways of managing the stress at work place.   L2 CO5 [7M]

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