

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN COMPUTER ENGINEERING & IT INFRASTRUCTURE –CP08
V SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Software Testing

Subject Code: CP08517T

Total Time: 2 Hr.

Total Marks: 50 marks

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 Mention the three problems associated with testing
- 1.2 What is mean by stub and driver?
- 1.3 Define acceptance testing and also mention the types
- 1.4 Define Black box testing
- 1.5 Why load testing is important?
- 1.6 What is mean by Test Log?
- 1.7 What are the four testing tools?
- 1.8 Define Quality policy
- 1.9 Define Alpha and Beta testing
- 1.10 What is mean by MTTR?

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 Explain the methods to create test strategy.
- 2.2 Explain the cost of quality
- 2.3 Draw the V-model and explain
- 2.4 What is a good test case?
- 2.5 What is the benefits of automated testing?
- 2.6 What are Software Metrics?
- 2.7 What is recovery scenario?
- 2.8 Explain the basic principles of testing

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 Explain the different levels of testing
- 3.2 Explain the system analysis under load testing process.
- 3.3 Explain Software Testing Life Cycle (STLC).
- 3.4 What is a Bug? Explain the software testing Bug life cycle
- 3.5 Draw the selenium web driver Architecture
- 3.6 Explain two different types of Integration testing

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V SEMESTER SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Intel Intelligent System
Subject Code: CP08512T

Time: 2 Hr.
Marks: 50

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 List the classification of Parallel Structures.
- 1.2 What is regression?
- 1.3 What is meant by Artificial Intelligence?
- 1.4 What is Python in programming world? What are the benefits of using Python?
- 1.5 What is M2M?
- 1.6 List out the main parts of IoT systems
- 1.7 What are support vector machines?
- 1.8 Write any four Linux commands and its purpose
- 1.9 What are the five popular algorithms of Machine Learning?
- 1.10 What is MAC address?

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 What is the difference between list and tuples in Python?
- 2.2 Explain software level and hardware level parallelism.
- 2.3 What is an MQTT TOPIC?
- 2.4 How can you choose a classifier based on training set size?
- 2.5 Write the difference between Supervised and Unsupervised Machine Learning
- 2.6 What is IoT Cloud?
- 2.7 What is the difference between process and service in Linux?
- 2.8 Explain Edge, Gateways, and Cloud in IoT Architecture

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 Explain the difference between HTTP and MQTT protocol.
- 3.2 Explain the Hardware architecture of parallel computing.
- 3.3 What is pipelining? Describe the speed up gain due to pipelining
- 3.4 Briefly explain about Protocol Standardization for IoT.
- 3.5 Differentiate between SIMD and MIMD architecture
- 3.6 Explain the 40-pin architecture of Intel Up2 Board