

## Post Graduate Diploma in Management (Hospital & Health Management)

### PGDM – 2022-24 Batch

#### 2<sup>nd</sup> Year - 6<sup>th</sup> Term Examination

Course & Code	: Software Quality Assurance-HIT 714	Reg. No.	:
Term & Batch	: VI, 2022-24	Date	: 25-01-2024
Duration	: 3 Hrs.	Max. Marks	: 70

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**Instructions:**

- Budget your time as per the marks given for each question and write your answer accordingly.
  - Don't write anything on the Question Paper except writing your Registration No.
  - Mobile Phones are not allowed even for computations.
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**Part A:** Q. 1 to Q.10 (10 questions\*1 marks = 10 marks).

**One liner, MCQs, True/False**

**Q1. Which of the following is not a part of STLC (Software Testing Life Cycle)?**

- Testing Planning
- Requirement Gathering
- Test Design
- Testing closure

**Q2. White box testing techniques are?**

- Statement coverage testing
- Decision coverage testing
- Data flow testing
- All of the above

**Q.3 In which environment we can perform the Alpha testing?**

- User's end
- Developer's end
- User's and developer's end
- None of the above

Contd...2..

Q.4 Which of the below is not a part of the Test Plan?

- a. Schedule
- b. Risk
- c. Incident reports
- d. Entry and exit criteria.

Q.5 Quality management system of a organization based on which pillars

- a) Test plans, Test conditions & decisions
- b) Quality processes, Guidelines and standards & Formats and templates
- c) Quality police, objectives and manuals

Q.6 Validation refers to the set of tasks that ensure that software correctly implements a specific function.

- a) True
- b) False

Q.7 The degree to which the design specifications are followed during manufacturing is known as

- a) Quality of design
- b) Quality of conformance
- c) Quality of testing
- d) None of the mentioned

Q.8 When the Testing Principles are useful while building the Software Product?

- a) During testing
- b) During execution
- c) During review
- d) Throughout life cycle

Q.9 Testing of individual components by the developers comes under which type of testing?

- a) Integration testing
- b) Validation testing
- c) Unit testing
- d) None of the above

Q.10. Which of the following terms describes testing?

- a) Finding broken code
- b) Evaluating deliverable to find errors
- c) A stage of all projects
- d) None of the mentioned

**Part B:** Q.11 to Q.15 (4 questions \*5 Marks =20 Marks) Attempt any four.

**Short Notes**

Q.11 What is the difference between verification and validation? Discuss

Q.12 What is the difference between 3sigma and 6sigma? List out the differences.

Q.13 Compatibility testing is not mandatory for standalone medical devices. Justify?

Q.14 “Good documentation contributes to the productivity of the organization.” Explain.

Q.15 “While performing automation software testing, a tester will come across various testing tools.”

Discuss any two test tools.

**Part C:** Q.16 to Q.20 (4 questions \*10 Marks =40 Marks) Attempt any four.

**Long Notes**

Q.16 Assume that you are leading a team of testers, and you are planning to conduct a bug bash activity. What are the pointers you would observe while scheduling the same?

Q.17 “Performance testing is a testing process to determine the speed or effectiveness of software.” Justify the statement.

Q.18 Explain the Steps involved in Continuous quality improvement cycle (CQIC)?

Q.19 Explain the tools and techniques that support quality management within the organizational fundamental components of TQM?

Q.20 What is quality in software and explain the software quality criteria's?