IIHMR DELHI | INTERNATIONAL INSTITUTE OF HEALTH MANAGEMENT RESEARCH

Post Graduate Diploma in Management (Hospital & Health Management)

PGDM – 2023-25 Batch

2nd Year – 3rd Semester End Examination

Subject & Code	:	**Software Quality Assurance-HIT 714**	**Reg. No.**	:	
Semester & Batch	:	**III, 2023-25**	**Date**	:	**18-10-2024**
Time & Duration	:	**10:30 A.M.-01:30 P.M. (3 Hrs.)**	**Max. Marks**	:	**70**

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.

Part A: Q.1 to Q.10 all questions are compulsory (10 X 2 Marks = 20 Marks)
One liner, MCQs, True/False

Q.1 Requirement Traceability Matrix is a way of doing complete mapping of software
a) true
b) false

Q.2 White Box techniques are also classified as
a) Design based testing
b) Structural testing
c) Error guessing technique
d) None of the mentioned

Q.3 Which of the following is a myth in testing?
a) Tester can find bugs
b) Any user can test software
c) Missed defects are not due to testers
d) Complete testing is not possible

Q.4 Which of the following divides the input domain into classes containing data?
a) Equivalent partitioning
b) Environment partitioning
c) Procedure division
d) Compilation division

Q.5 -------- is not a Test Document.
a) Test Policy
b) Test Case
c) PIN (Project Initiation Note)
d) RTM (requirement Traceability matrix)

Contd…2..

Q.6. Continual (Continuous) improvement cycle is based on systematic sequence of ---------- activities.

a) SDLC
b) PDCA
c) waterfall model

Q.7 ---------- is the application of quality principles to all facets and business processes of an organization.

a) TQM
b) Software Testing
c) Software tools

Q.8 Innovation is the ----------activity leading to changes.

a) Planned
b) Accidental
c) virtual

Q.9 Quality management system of an 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.10 V- model uses--------test models

a) Component testing, integration testing, system testing and acceptance testing
b) alpha testing, beta testing, acceptance testing and user testing
c) black box testing, white box testing and gray box testing

Part B: Q.11 to Q.15 attempt any four questions (4 X 5 Marks = 20 Marks)
Short Notes

Q.11 "It is not enough for a test procedure to ask a tester to try all the test cases and report the observations. "Justify.

Q.12 "Random testing has gained immense popularity in the field of gaming and protocol testing" How do you think random testing helps in gaming?

Q.13 "The need for compatibility testing is high today" Why do you think so?

Q.14 Assume that you have developed a windows-based application that has the capacity of Dynamic Data Exchange (DDE) and Object Linking and Embedding (OLE). What kind of compatibility testing would you suggest?

Q.15 Do you believe that GUI testing can enhance the product's usability? What are the different levels in which GUI can be carried out?

Contd…3..

Part C: Q.16 to Q.20 attempt any three questions (3 X 10 Marks = 30 Marks)
Long Notes

Q. 16 Assume that you have developed the next version of software (Version 2.0) and also a patch for the existing version (Version 1.3.4). What type of compatibility testing will you carry out for these applications? How will you ensure its compatibility?

Q.17 When do you think that a software product is designed badly? List out the possible user interface errors in the software product.

Q.18 "The GUI has become a de facto standard for user interface in most of the modern technologies." How would you justify this?

Q.19 What are the Steps involved in developing software Metrics and justify?

Q.20 Explain Smoking Testing and Monkey Testing, Alpha and Beta Testing, Performance Testing