International Institute of Health Management Research (IIHMR)

New Delhi

Total marks: 70

Quality Assurance in Healthcare IT (HIT – 714)   **Time: 2:00 HR**

SECTION A

Multiple Choice Questions (1 mark each)   **1 x 10 = 10 marks**

1. The effort required for locating and fixing an error in an operational program
   a. Testability
   b. Maintainability
   c. Usability
   d. Efficiency

2. The contributors to poor quality in an organization are
   a. Lack of involvement by management
   b. Lack of knowledge about quality
   c. Time constraints
   d. A and B

3. Quality Assurance (QA) and Quality Control (QC) are both necessary to make quality happen. Of the two QA is more important than QC
   a. True
   b. False

4. QC is a line function, performed by the same group that produces the goods
   a. True
   b. False

5. Which is the least important skill for a quality manager in the below list?
   a. Verbal communication & Written communication
   b. Project management
   c. Programming
   d. Systems knowledge
   e. Knowledge of operations

6. Verification is a
   a   Static Analysis
   b   Dynamic Analysis
   c   None of the above

7. Validation is a
   a   Static Analysis
   b   Dynamic Analysis
   c   None of the above

8. Validate that all units work together according to the system design" is

a. Unit testing
b. Integration testing
c. System testing
d. Acceptance testing
e. Independent testing

9. Resistance to change is normally because of

a. Deffiant attitude of workers
b. Lack of awareness / training on the new technology / process
c. No direct benefits/incentives on change over

10. A defect is a
    a. Deviation from specification
    b. Deviation from a standard
    c. Anything that causes customer dissatisfaction
    d. All of the above
    e. None of the above

SECTION B

PART A: Attempt Any Three   20*3 M

1. What is difference between SQA, QC and Software Testing? How do you define a format of writing a good test case?
2. Write a test care for registration of patient and lab module for hospital
3. Explain Smoking Testing and Monkey Testing, Alpha and Beta Testing, Performance Testing
4. Explain CMM in Details
5. What is Six Sigma? Explain different Six Sigma methodology