**MCQ for MCA-II (Semester- III)**

**Subject :- Software Testing & Quality Assurance**

**(Subject Code:- IT-33)**

**Chapter: 1] Software Quality Assurance Fundamentals**

Q.1)  Which requirements are the foundation from which quality is measured?  
a) Hardware  
**b) Software**  
c) Programmers  
d) None of the mentioned

Q.2) Which of the following is not a SQA plan for a project?  
a) evaluations to be performed  
**b) amount of technical work**c) audits and reviews to be performed  
d) documents to be produced by the SQA group

Q.3) Degree to which design specifications are followed in manufacturing the product is called  
a) Quality Control  
**b) Quality of conformance**  
c) Quality Assurance  
d) None of the mentioned

Q.4) Which of the following is not an appraisal cost in SQA?  
a) inter-process inspection  
b) maintenance  
**c) quality planning**d) testing

Q.5) Who identifies, documents, and verifies that corrections have been made to the software?  
a) Project manager  
b) Project team  
**c) SQA group**  
d) All of the mentioned

Q.6)  Software quality assurance consists of the auditing and reporting functions of management.  
a) True  
b) False

Q.7) The ISO 9000 series of standards is a program that can be used for external quality assurance purposes.  
a) True  
**b) False**

Q.8) According to ISO 9001, the causes of nonconforming product should be  
a) deleted  
b) eliminated  
c) identified  
**d) eliminated and identified**

Q.9) ISO 9001 is not concerned with \_\_\_\_\_\_\_\_\_\_\_\_ of quality records.  
a) collection  
b) maintenance  
**c) verification**d) dis-positioning

Q.10) Quality control encompasses,

1. A set of software engineering principles, ensures that work product meets its quality goals
2. Models are reviewed to ensure that they are complete and consistent
3. Code may be inspected in order to uncover and correct errors before testing commences
4. **All of the mentioned above**

Q.11) The goal of quality assurance is to provide management and technical staff with the data necessary to be informed about product quality.

1. **True**
2. False

Q.12) The intent of project metrics is:  
a) minimization of development schedule  
b) for strategic purposes  
c) assessing project quality on ongoing basis  
**d) minimization of development schedule and assessing project quality on ongoing basis**

Q.13)  Which of the following is not a direct measure of SE process?  
**a) Efficiency**  
b) Cost  
c) Effort Applied  
d) All of the mentioned

Q.14) In size oriented metrics, metrics are developed based on the \_\_\_\_\_\_\_\_\_\_  
a) number of Functions  
b) number of user inputs  
c**) number of lines of code**  
d) amount of memory usage

Q.15) How is reliability and failure intensity related to each other?  
a) direct relation  
**b) inverse relation**  
c) no relation  
d) none of the mentioned

Q.16) What is MTTF ?  
a) Maximum time to failure  
**b) Mean time to failure**c) Minimum time to failure  
d) None of the mentioned

Q.17) How is software reliability defined?  
**a) time**  
b) efficiency  
c) quality  
d) speed