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MBA
15MNG305D

3RD Semester Regular Examination-2017-18
SOFTWARE PROJECT MANAGEMENT(SDM)
Branch : MBA
Time: 3 Hours
Max marks: 100
Q.CODE: B687
Answer Question No.1&2 which is compulsory and any four from the rest.
The figures in the right hand margin indicate marks.

Q1 **Answer the following questions:** (2 x 10)

a) _____ identifying which quality standards are relevant to the project and determining how to satisfy them.
   a) Quality Planning
   b) Communications Planning
   c) Organization Planning
   d) Staff Acquisition

b) Project management processes can be organized into _____ groups
   a) Four
   b) Five
   c) Six
   d) Seven

c) Product quality depends on its conformance to _____
   a) Software requirements
   b) Development standards
   c) Implicit requirements
   d) All of given

d) Finally, the specification includes a _____
   a) Bibliography
   b) Appendix
   c) Both Bibliography and Appendix
   d) Reference

e) Cognitive model describes a system as perceived by its _____
   a) User community
   b) Developer
   c) Top level management
   d) Manager

f) A review of the *Software Requirements Specification* is conducted by _____

a) Software developer
b) Customer
c) Both the software developer and the customer
d) Top level management

g) A meeting is conducted at a _____ and attended by both software engineers and customers.
a) Software engineer site
b) Neutral site
c) Customer site
d) Company site

h) In problem evaluation area of effort, once problems have been identified, the _____determines what information is to be produced by the new system and what data will be provided to the system.
a) Analyst
b) Designer
c) Coder
d) Manager

i) Requirements are refined and analyzed to assess their clarity, completeness, and_____
a) Correctness
b) Consistency
c) Concurrency
d) None of given

j) A software project that meets all the stated objectives is a success of _____
a) Project quality
b) Project fundamental purpose
c) Project management myth
d) Project requirement

Q2   Answer the following questions: **(2 x 10)**

a) Distinguish between the terms task and activity in a project management
b) What do you mean by critical path in project progress
c) What is testing
d) Write down three important part of SRS
e) What is the meaning of PSP?
f) What do you understand by software configuration
g) What is estimation?
h) What are the advantages of COCOMO II over COCOMO model?
i) What are the different levels of testing?
j) What are the basic requirements for a Software Configuration Management(SCM) systems?

Q3 Discuss spiral model with its merits and demerits along with a neat diagram. **(15)**

Q4 Write down the activities that a software project manager performs during software project planning **(15)**

Q5 What do you understand by software project estimation? Discuss various techniques use for software project estimation. **(15)**

Q6 Explain cohesion and coupling in the context of software design? How are these concepts useful in arriving at a good design of a system? **(15)**

Q7 What is Risk? What is the important type of risks that a software project might suffer from? Explain different Risk Management activities. **(15)**

Q8. **Write short notes on any two:** **(7.5x2)**
- **a)** SEI capability maturity model.
- **b)** Scheduling
- **c)** SIX Sigma
- **d)** Software Quality Management