(3 Hours)   **[Total: 80 Marks]**

Note : (1). Question number 1 is compulsory.
          (2).Attempt any three questions from the remaining.
          (3).Assume suitable data wherever necessary.

Q1   Solve any Four out of Six.
 a) Explain the characteristics and nature of software.   05
 b) Describe the advantages and limitations for large sized software projects?   05
 c) Explain the steps involved in SQA Plan?   05
 d) Discuss about the principles of user interface design steps?   05
 e) Explain 3 P's in software project spectrum?   05
 f) Short note on Mc-Calls Quality factors?   05

Q2a) Explain the Principles of Agile methodology? Discuss the difference between Agile and   10
     Evolutionary Process Model?
 b) Explain V-Model in details?   10

Q3a) Explain characteristics of SRS? Build an SRS Document for online student feedback   10
     system?
 b) What is Feasibility Study? Discuss the different types of feasibility study.   10

Q4a) Explain LOC and Function Point estimation technique in detail?   10
 b) Explain different types of coupling and cohesion?   10

Q5a) Explain Risk Mitigation, Monitoring, and Management (RMMM) plan.   10
 b) Explain change control process in SCM in detail?   10

Q6a) What is a risk? Explain different types of risk in details?   10
 b) Explain software testing strategy and its techniques?   10

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