

Total Marks: 80M**(3 Hours)**

- N.B. :**
- 1) Question No.1 is **compulsory**.
 - 2) Attempt any **Three** from the remaining **five** questions.
 - 3) Figures to the right indicate full marks.

- Q1. (a) Explain the importance of Feasibility study along with its types [10]
 (b) What is reliability? Explain in detail the different reliability metrics. [10]
- Q2. (a) Explain how agile methodology is different than traditional waterfall model [10]
 (b) Explain various role of a project manager along with different phases of a project [10]
- Q3. (a) Explain Project Scope Management [10]
 (b) Explain different requirement gathering techniques [10]
- Q4. (a) Explain McCall's Quality Model [10]
 (b) Explain resource assignment, resource loading and resource leveling in context to acquiring the project team. [10]
- Q5. (a) Explain the process of developing the project team [10]
 (b) Describe the process of Risk Management [10]
- Q6. Short Note (any 4 out of 5) [20]
 (a) COCOMO
 (b) Formal Technical Review
 (c) Business Case
 (d) CPM
 (e) SRS