(2 ½ Hours) **[Total Marks: 75]**

N.B. 1) All questions are compulsory.
2) Figures to the right indicate marks.
3) Illustrations, in-depth answers and diagrams will be appreciated.
4) Mixing of sub-questions is not allowed.

Q. 1 Attempt ANY FOUR from the following: **(20M)**

(a) Define project management. Explain the importance of project management.

(b) Explain the essential knowledge areas which are used in most of project management.

(c) Explain the two categories of project selection methods.

(d) What is a project charter? Explain the essential elements of a project charter.

(e) Project why has a budget at completion (BAC) of dollar 2 00000. At the end of the second quarter the project manager evaluates the project progress and funds that 60% of the work has been completed. However the actual cost in curd so far amount to dollar 1200 000. Calculate the cost performance index and the schedule performance index.

(f) Explain the step by step guide for conducting a stakeholder analysis.

Q. 2 Attempt ANY FOUR from the following: **(20M)**

(a) Define quality assurance. Explain the key steps of quality assurance.

(b) Write a short note on project risk assessment.

(c) Explain the steps involved in staffing process.

(d) Write a short note on project procurement management.

(e) Explain about project integration process and activities

(f) Explain about six sigma concept.

Q. 3 Attempt ANY FOUR from the following: **(20M)**

(a) Explain the role of Technology in project management.

(b) Explain the tools and software for project planning and collaboration.

(c) How to build agile work from and project plan.

(d) Write a short note on stakeholder identification and analysis.

(e) What are the project governance and ethics.

(f) Explain the principles of effective project governance.

Q. 4 Attempt ANY FIVE from the following: **(15M)**

(a) list and explain the type of agile methodologies

(b) How to improve ongoing work team.

(c) What is mean by project closure. List the key steps involved in project closure.

(d) What are the key aspects of process improvement in project management.

(e) Explain the steps involved in quality planning.

(f) Write a short note on quality control.
