**Project Management**

**September 2022 Examination**

**Q1. As the vehicles move fast when there is less traffic, crossing the roads becomes difficult and dangerous even in non-peak hours for the pedestrian. The government has decided to construct a reinforced cement concrete pedestrian foot over the bridge to decrease traffic snarls and create a transit for pedestrians crossing highways. You have been assigned as the manager of the project. Remember, the project should be completed within the definite time frame of 180 days, and the work should not be carried out during peak hours. Conduct the feasibility analysis of the project. (10 Marks)**

**Ans 1.**

**Introduction:**

A project is a collection and sequence of tasks that must be accomplished in order to achieve a particular goal. A project can also be described as a combination of outputs and inputs necessary to obtain a specific goal which can be either simple or complex. An examination known as a feasibility study determines the likelihood of a project's satisfactory implementation by taking into account all pertinent economic, technical, legal, and scheduling variables. It is an initial research of the benefits and practicality of a prospective enterprise or endeavor. This data then assists decision-makers in determining to choose whether or not to continue with the venture. The findings of the feasibility analysis could also

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**Q2. Consider the same pedestrian foot over the bridge project. As a project manager, you will be accountable for any issues. To complete the project on time with a specified quality level, suggest a phase-wise project process plan indicating completion time, resource requirement, and associated constraints. (10 Marks)**

**Ans 2.**

**Introduction:**

The project lifecycle is a manner of looking at the overall project that demonstrates the phases to finalisation, aids in concentrating solely and dynamism, and generates better integrated high-level different phases of closure. It aids in ensuring that various project teams can efficiently manage their endeavours while also assisting the project manager in making more knowledgeable prioritization judgements. Project management is divided into separate stages by the lifecycle of the project. These steps are critical for the planning phase of the project because they describe and assist the measures required to accomplish the objectives of

**3. Consider the same pedestrian foot over the bridge project and answer the following:**

**a. As the sole accountable person, it is challenging to manage the project efficiently. Therefore, you may have to decentralize the roles and activities associated with the project to the other stakeholders. Considering the decentralization of the accountability, create a RACI model to manage the progress and maintain the specified quality of the project. (5 Marks)**

**Ans. 3a.**

**Introduction:**

Numerous names, including RACI chart, RACI matrix, and RACI template, are used to refer to the responsibility assignment matrix tool. Each letter represents a classification on the RACI matrix, which is used to describe teammates' role and responsibilities in a project.

RACI stands for responsible, accountable, consulted, and informed. Each of the four aspects

**Q 3b. Create an estimated budget for the project. (you may consider hypothetical data) (5 Marks)**

**Ans 3b.**

**Introduction:**

Project cost estimation is the process of forecasting the overall price of the duties, duration, and funds needed to complete the statement of work for a project. You can generate precise predictions and keep your expenditures under regulation by enumerating tasks, determining costs, and monitoring project progress. Project cost prediction is the process by which a