**Project Management**

**December 2023 Examination**

**Q1. Assume your company has got the contract to build a new airport in Goa. It is a very important project for you and your company. How are you going to manage the different stages of the project? (10 marks)**

**Ans 1.**

**Introduction**

Undertaking the mammoth task of constructing a new airport in Goa requires an intricate blend of meticulous planning, efficient execution, and consistent oversight. Airports are not just large-scale infrastructural projects, but they also symbolize a region's progress and connectivity. As the project manager for this prestigious assignment, my role is not only to ensure timely completion but to ascertain the final outcome meets the highest standards of safety, sustainability, and functionality. The city of Goa, renowned for its tourism, deserves

**Q2. The activity involved in a certain project have been identified as follows:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Job** | **Time**  **(weeks)** | **No. of Men required** | **Precedence requirements** |
| **A** | **5** | **1** | **-** |
| **B** | **10** | **1** | **A** |
| **C** | **8** | **2** | **A** |
| **D** | **6** | **3** | **B,C** |
| **E** | **7** | **1** | **B,C** |
| **F** | **4** | **2** | **E** |
| **G** | **4** | **2** | **D,F** |
| **H** | **2** | **1** | **G** |

**a. For the above project draw the network (using the MS word line function) and determine the critical path.**

**b. If there are three men available at any one time how long would the project take and how would you allocate the men to the activities?**

**c. If there are no restrictions on the amount of labour available, explain how you would schedule the activities? (10 marks)**

**Ans 2.**

**Introduction**

In project management, an activity network diagram or a project network diagram is a visual representation of the sequential flow and the dependencies of different tasks involved in a project. This tool provides clarity regarding the start and finish times of each task, aiding in identifying the project's critical path. The critical path method (CPM) is an algorithm used to plan a set of project activities. It identifies the most extended path of the planned activities to the end of the project, and the earliest and latest that each activity can start and finish without

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**Q3. Steel Authority of India Limited (SAIL) that runs Visvesvaraya Iron and Steel Plant (VISP) at Bhadravati in Karnataka decided to close the unit last year. Founded in 1954, SAIL operates and owns five integrated steel plants at Bhilai, Rourkela, Durgapur, Bokaro and Burnpur (Asansol) and three special steel plants at Salem, Durgapur and Bhadravathi. SAIL has declared VISP a loss-making unit. Please suggest:**

**a. A transition plan for the project and factors that might affect the smooth termination of the projects. (5 Marks)**

**Ans 3a.**

**Introduction**

The decision to close a unit, especially one with historical significance like the Visvesvaraya Iron and Steel Plant (VISP) operated by Steel Authority of India Limited (SAIL), is never easy. Such decisions often come with a myriad of challenges, both logistical and emotional. A well-structured transition plan is essential to ensure that the termination process is smooth, minimizing disruptions and addressing the concerns of all stakeholders involved. This plan

**b. List down the contents of Closure report and the post closure activities you would suggest to be undertaken. (5 Marks)**

**Ans 3b.**

**Introduction**

The closure of a significant unit like the Visvesvaraya Iron and Steel Plant (VISP) necessitates a comprehensive closure report. This report serves as a formal documentation of the entire termination process, capturing key decisions, actions, and outcomes. It provides insights into the reasons for closure, the steps taken, and the results achieved. Beyond the report, post-closure activities are crucial to ensure that the site and its stakeholders transition