**CONSTRUCTION PLANNING AND MANAGEMENT**

**ASSIGNMENT 1**

**DATE: 10/01/2024**

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| **Sl. No.** | **Question** | **Marks** | **COs** | **BTL** |
|  | List the different Objectives, Principles of Planning. | **02** | **CO1** | **2** |
|  | List and Explain the different stages of planning. | **02** | **CO1** | **2** |
|  | What do you mean by scheduling? List and explain the different types of scheduling. | **02** | **CO1** | **2** |
|  | Explain Project work breakdown with a flow chart | **02** | **CO1** | **2** |
|  | Differentiate between CPM and PERT | **02** | **CO1** | **2** |
|  | For a construction of guest house, certain activities are to be performed which are as given below.   |  |  | | --- | --- | | **ACTIVITY NO.** | **DURATION (IN WEEKS)** | | 1 | 2 | | 2 | 3 | | 3 | 5 | | 4 | 4 | | 5 | 2 | | 6 | 3 | | 7 | 5 |   Activity 2 and 3 can be performed simultaneously and can start only when activity 1 is completed. Activity 4 can start only after activity 2 ends. Activity 5 cannot begin until activities 2 and 3 are completed. Activity 6 can start only after activities 4 and 5 are complete. Activity 7 is the last activity and this can commence only after the completion of activity 5.  a. Prepare a BAR CHART for the project.  b. What is the total time taken for the completion of the project? | **02** | **CO2** | **3** |