**NMIMS Global Access**

**School for Continuing Education (NGA-SCE)**

**Course: Project Management**

**Q1.**

**Sumitra Club Condominium, located on the Kolva, is undertaking a summer renovation of its main building. The project is scheduled to begin May 1, and a September 1 (17-week) completion date is desired. The condominium manager identified the following renovation activities and their estimated times.**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Immediate**  **Predecessor** | **Time** |
| **A** | **—** | **3** |
| **B** | **—** | **1** |
| **C** | **—** | **2** |
| **D** | **A,B,C** | **4** |
| **E** | **C,D** | **5** |
| **F** | **A** | **3** |
| **G** | **D,F** | **6** |
| **H** | **E** | **4** |

1. **a. Draw a project network. (Note: Handwritten diagram is prohibited)**
2. **b. What are the critical activities?**
3. **c. What activity has the most slack time?**
4. **d. Will the project be completed by September 1? (10Marks)**

**Answer**

**Introduction**

Any organisation or corporation that has to plan, organise, and carry out activities to accomplish certain goals must practise project management. It entails putting information, skills, tools, and procedures to use in order to complete the project's needs and objectives within the allotted time, money, and scope. To guarantee that projects are effectively completed, It is only half solved

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**Q2. Draw the Work Break down structure for the following activities for Aruan Gargoo. Aruna Gargoo is thinking about one exhibition of her khakhra brand in one business fair.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr no** | **Task level** | **Task** | **Task to be completed before this Date** |
| **1** | **Office level** | **Designing a product catalogue** | **1-2-2023** |

|  |  |  |  |
| --- | --- | --- | --- |
| **2** | **Office level** | **Prepare the product quantity list to be carried at exhibition** | **4-2-2023** |
| **3** | **Office level** | **Preparation of stock according to this list** | **8-2-2023** |
| **4** | **Office level** | **Labelling and kit preparation** | **9-2-2023** |
| **5** | **Office level** | **Packing of products to be presented at exhibition** | **12-2-2023** |
| **6** | **Office level** | **Plan for Duties to be assigned to volunteers at the day of exhibition.**  **Rahil: explanation of khakhra**  **Sowmya: handling payment though options and maintaining customer archive for future connect.**  **Shikha: handling testing counters.**  **Raj: installation of counters** | **15-2-2023** |
| **7** | **Office level** | **Loading the good for exhibition** | **18-2-2023** |
| **8** | **Exhibition center** | **Installation of counter including offloading goods from vehicle** | **18-2-2023** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **9** | **Exhibition center** | **Activates at the center as per the assigned duties** | **18-2-2023** |

**Note: Handwritten diagram is prohibited**

**Answer**

**Introduction**

The utilisation of a Work Breakdown Structure (WBS) offers a significant advantage by facilitating the division of a complex project into smaller, more feasible sub-tasks. This facilitates the process of devising and implementing the project with greater efficiency. The utilisation of the Work Breakdown Structure (WBS) is instrumental in the identification of essential duties

**Q3A: Interpret the following Decision Tree Diagram.**

**Follow the list of activities and draw the Network diagram only for Raj Kaul who is running a beverage center in Baleshwar.**

**Which are the predecessor activities mention in the conclusion.**

|  |  |
| --- | --- |
| **Activities** | **Activities supposed to be priorly done** |
| **A- Buying fruits** | |
| **B- Washing fruits** | **Buying fruits** |
| **C- Cutting fruits** | **Washing fruits** |
| **D- Mixing Cut-fruits for making fruit-salad** | **Cutting fruits** |
| **E- Putting cut-fruits into juicer for making fruit juices** | **Cutting fruits** |
| **F- Using cut-fruits for making ice crems** | **Cutting fruits** |
| **G- Packaging round** | **Mixing Cut-fruits for fruit salad, Putting cut-fruits into juicer for making fruit juices, Using cut-fruits for ice crems** |
| **H- Customers Delivery** | **Packaging round** |

**Answer**

**Introduction**

A decision tree diagram is a type of flowchart that is used to illustrate various decision-making scenarios. It is a tool that can be used to make decisions, especially when dealing with complex scenarios. The decision tree diagram can be used to identify various possible outcomes based on the decisions made.

In this question, we are given a decision tree diagram that outlines the activities that need to be performed