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| **Trim: Jan-Mar 2025**  **Maximum Marks: 50 Examination: ETE Exam Date: 04.04.2025 Duration: 3 Hrs** | | |
| **Programme code: 01**  **Programme: MBA** | **Class:** SY | **Trimester: VI** |
| **College:**  **K. J. Somaiya Institute of Management** | **Name of the department/Section/Center: Operations** | |
| **Course Code: 217P01M641** | **Name of the Course: Project Management** | |
| **Instructions:**   1. **Attempt any 5 questions out of 7 questions.** 2. **Make suitable assumptions wherever necessary.** | | |

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| **Question No.** |  | **Max.**  **Marks** |
| Q. 1 | You are handling a high value project which involves dependence on overseas vendors for the critical components. The global political situation is also adversely affecting things.   1. Discuss in detail the Risk Management strategies you will consider. 2. What is Risk Breakdown Structure (RBS)? Prepare the RBS of your project. 3. What are Secondary Risks? | 10 |
| Q. 2 (a) | M/s Micro Technologies wants to expand its business and so it is willing to  invest Rs 10,00,000. The investment is said to bring an inflow of  Rs. 1,00,000 in the first year, 2,50,000 in the second year, 3,50,000 in  in the third year, 2,65,000 in the fourth year and 4,15,000 in the fifth year.  Assuming the discount rate as 9%, calculate NPV using the formula. | 05 |
| Q. 2 (b) | You are in the process of selecting sellers for the Data Center infrastructure project. Lot of sellers have submitted the bids and are awaiting selection results.  Discuss in detail various Source Selection Criteria you can use for selecting the Seller. | 05 |
| Q. 3 | For the given project schedule, (a) Draw the Network Diagram, (b) Find the Critical Path, (c) Calculate the Duration of the project, (d) Discuss in detail the significance of Critical Path in Schedule Network Diagram.   |  |  |  | | --- | --- | --- | | Activity | Predecessor(s) | Duration (Days) | | A | - | 7 | | B | - | 13 | | C | A | 10 | | D | A | 17 | | E | B | 3 | | F | D, E | 26 | | G | F, C | 5 | | 10 |
| Q. 4 (a) | List down with an explanation of various administrative activities to be completed as a part of Project Closure. | 05 |
| Q. 4 (b) | You are managing a project on ‘Content Marketing Campaign’ for an automobile dealership.  Prepare the subsidiary Project Management Plans considering Scope, Team Resources and Communication. | 05 |
| Q. 5 | Write short notes –   1. Predictive v/s Iterative Project Lifecycle. 2. Various Conflict Management Techniques. 3. Concept of Earned Value Management. | 10 |
| Q. 6 | You are monitoring the project and have the following observations.   |  |  |  |  | | --- | --- | --- | --- | | Month | Planned Value (PV) | Actual Cost (AC) | Earned Value (EV) | | 1 | ₹ 11,10,000 | ₹ 12,50,000 | ₹ 10,00,000 | | 2 | ₹ 6,00,000 | ₹ 5,00,000 | ₹ 7,50,000 | | 3 | ₹ 25,00,000 | - | - | | 4 | ₹ 8,00,000 | - | - |  1. Calculate Schedule Variance (SV) and Schedule Performance Index (SPI). 2. Calculate Cost Variance (CV) and Cost Performance Index (CPI). 3. Based on SP and SPI values, what is your understanding about project schedule? 4. Based on CV and CPI values, what is your understanding about project cost? | 10 |
| Q. 7 | (a) Create a Work Breakdown Structure for launching new medical equipment. Clearly indicate Work Packages and Milestones.  (b) What is 100% Rule in relation to WBS?  (c) What is WBS Dictionary and what is its significance?   1. Your organization does not have a standard WBS Dictionary Template. Prepare the template to be added as OPA. | 10 |