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| Image result for adamas university logo | **ADAMAS UNIVERSITY**  **END SEMESTER EXAMINATION**  (Academic Session: 2020 – 21) | | |
| **Name of the Program:** | M.Tech. | **Semester:** | I |
| **Paper Title:** | Construction Project Management | **Paper Code:** | ECE61133 |
| **Maximum Marks:** | 50 | **Time Duration:** | 3 Hrs |
| **Total No. of Questions:** | **17** | **Total No of Pages:** | 02 |
| *(Any other information for the student may be mentioned here)* | 1. At top sheet, clearly mention Name, Univ. Roll No., Enrolment No., Paper Name & Code, Date of Exam. 2. All parts of a Question should be answered consecutively. Each Answer should start from a fresh page. 3. Assumptions made if any, should be stated clearly at the beginning of your answer. | | |

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| **Group A**  **Answer All the Questions (5 x 1 = 5)** | | | |
| 1 | State at least two goals of a project manager. | **Remembering** | **CO1** |
| 2 | Define private limited company. | **Remembering** | **CO2** |
| 3 | What is planning of prefabrication? | **Remembering** | **CO3** |
| 4 | Give examples of non-productive activities. | **Remembering** | **CO4** |
| 5 | Find one objective of cost estimate. | **Remembering** | **CO5** |
| **Group B**  **Answer All the Questions (5 x 2 = 10)** | | | |
| 6 a) | Identify the phases of a project life cycle. | **Remembering** | **CO1** |
| **(OR)** | | | |
| 6 b) | Name the processes of project management. | **Remembering** | **CO1** |
| 7 a) | What is ‘Pseudo Halo Effect’? | **Remembering** | **CO2** |
| **(OR)** | | | |
| 7 b) | What are the advantages of functional organization? | **Remembering** | **CO2** |
| 8 a) | Draw a schematic diagram of structural design process. | **Apply** | **CO3** |
| **(OR)** | | | |
| 8 b) | Define hierarchy. | **Remembering** | **CO3** |
| 9 a) | Outline good project work condition. | **Understanding** | **CO4** |
| **(OR)** | | | |
| 9 b) | What is base labour productivity? | **Remembering** | **CO4** |
| 10 a) | Classify top down estimate. | **Understanding** | **CO5** |
| **(OR)** | | | |
| 10 b) | Show project cost components. | **Remembering** | **CO5** |
| **Group C**  **Answer All the Questions (7 x 5 = 35)** | | | |
| 11 a) | What is preconstruction phase of project management? | **Remembering** | **CO1** |
| **(OR)** | | | |
| 11 b) | State the objectives of project Management. | **Remembering** | **CO1** |
| 12 a) | Discuss WBS. | **Understanding** | **CO2** |
| **(OR)** | | | |
| 12 b) | Classify the roles of a project manager. | **Understanding** | **CO2** |
| 13 a) | Distinguish the selection criteria of a construction project? | **Understanding** | **CO3** |
| **(OR)** | | | |
| 13 b) | Illustrate construction planning. | **Understanding** | **CO3** |
| 14 a) | How computer aided engineering has changed project planning? | **Remembering** | **CO4** |
| **(OR)** | | | |
| 14 b) | Describe how to increase labour productivity at job site. | **Understanding** | **CO4** |
| 15 a) | Explain value engineering. | **Understanding** | **CO4** |
| **(OR)** | | | |
| 15 b) | Summarise labour characteristics. | **Understanding** | **CO4** |
| 16 a) | Contrast ROM estimate. | **Apply** | **CO5** |
| **(OR)** | | | |
| 16 b) | Describe client indicative cost estimate. | **Understanding** | **CO5** |
| 17 a) | Sketch the cost funnel. | **Apply** | **CO5** |
| **(OR)** | | | |
| 17 b) | Use weight unit cost method to determine the conceptual cost estimate for a hospital of 300 beds. The previous data of sample projects are given below.   |  |  |  |  | | --- | --- | --- | --- | | Project No | Cost (Rs.) | No of beds in hospital | Unit cost (in Rs./bed) | | 1 | 4,00,000 | 100 | 4000 | | 2 | 7,00,000 | 120 | 5833.33 | | 3 | 18,00,000 | 200 | 9000 | | 4 | 9,00,000 | 80 | 11250 | | 5 | 20,00,000 | 210 | 9523.80 | | 6 | 11,00,000 | 110 | 10,000 | | 7 | 8,00,000 | 120 | 6666.67 | | **Apply** | **CO5** |