


GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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 Name of Examination : **Winter 2020** - (Preview)

 Course Code & Course Name : **IN403 - Project Planning & Estimation**

 Generated At : **19-04-2022 10:28:48**

 Maximum Marks : **30**

 Duration : **2 Hrs**
[Edit](#) [Print](#) [View Answer Key](#) [Close](#) **Answer Key Submission Type:** Marking scheme with model answers and solutions of numerical

Instructions:

1. All questions are compulsory.
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

1) Solve any two sub-questions

- a) What is mean by project management ?, illustrate project life cycle, planning and organization phases with diagram [6]
- b) Briefly explain following standards with its significance [6]
 - (i) IEEE 802 standard (ii) ISO-9000 standard (iii) IEC standard

- c) State the importance of bill of material and explain its format [6]

2) a) Explain in detail instrument specification sheet with their significance [6]

- b) **Short note on (Any Two)** [6]
 - (i) Smart Plant Instrumentation using INtool software.
 - (ii) Adding process flow loop using INtool
 - (iii) Selection Criteria of Various Cables

3) Determine the time, variance and standard deviation of the project with the following time estimates in weeks: [6]

Activity	Optimistic time estimate (to)	Most likely time estimate (tm)	Pessimistic time estimate (tp)
1-2	3	6	9
1-6	2	5	8
2-3	6	12	18
2-4	4	5	6
3-5	8	11	14
4-5	3	7	11
6-7	3	9	15
5-8	2	4	6
7-8	8	16	18

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