


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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