

IES COLLEGE OF TECHNOLOGY, BHOPAL

M. TECH. (^{3RD} SEM) Assignment -1 Computer Aided Design of Thermal System MMTP – 301 (A) (UNIT 1 TO 2.5)

- Note:** 1.Question should be written in plain A-4 Size Paper.
2. Minimum 300 Word Limit for each Question.
3. Assignment will submit in stick file.

DATE OF ASSIGN: 17/10/2014

DATE OF SUBMISSION: 7/11/2014

Q.1	Explain Basic Consideration in Design: Formulation of Design problems. (RGPV2009,10)
Q.2	conceptual design steps in design process computer aided design material selection (RGPV2008,10)
Q.3	Explain mathematical & Physical modeling Dimensional Analysis Numerical modeling & simulation (RGPV2012)
Q.4	Explain Refrigeration systems, thermal design of heat engine (RGPV2010)
Q.5	Explain Numerical modeling, System simulation (RGPV2012,13)

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M. TECH. (^{3RD} SEM) Assignment -1 Non Conventional Energy Sources MMTP – 302 (B) (UNIT 1 TO 2.5)

- Note:** 1.Question should be written in plain A-4 Size Paper.
2. Minimum 300 Word Limit for each Question.
3. Assignment will submit in stick file.

DATE OF ASSIGN: 17/10/2014

DATE OF SUBMISSION: 7/11/2014

Q.1	Explain Conventional sources of commercial energy. (RGPV2009,10)
Q.2	estimation of time for which conventional sources will last alternate energy sources (RGPV2008,10)
Q.3	Availability of solar radiation energy collection and concentration for photo-thermal application (RGPV2012)
Q.4	Explain Types of wind mills. Elementary and design principles (RGPV2010)
Q.5	Explain how Bio mass source of energy is utilized? (RGPV2012,13)