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B.Tech Degree Examinations

NOV 2008

First Semester

**Course Code: BCECME 106 / BCSCME 106 / BECCME 106 /
BEECME 106 / BEICME 106 / BMTCE 106 /
BITCME 106 / BICCME 106**

Course: BASIC MECHANICAL ENGINEERING

Question Paper No. : B851-3

Duration: 3 hours

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Max. Marks: 100

PART – A

Answer all the questions

20 x 2 = 40 Marks

1. State any two conventional sources of energy.
2. What are the alternate sources of energy to the fossil fuels?
3. Classify different steam boilers.
4. State any two important differences between the impulse and reaction steam turbines.
5. What is meant by cogeneration?
6. How are IC engines classified based on the fuel used?
7. List the ports used in a two stroke engines.
8. What is the function of fuel injector in diesel engine?
9. State any two desirable properties of refrigerants.

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