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Roll No

CM-6005(3)-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Non-Conventional Energy Sources

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Assume suitable data wherever necessary.

1. Write a detail note on energy supply and demand in India. 14
2. Briefly discuss the different types of solar collectors. Discuss the parameters governing the performance of flat-plate collectors. 14
3. Write a detail note on windmill construction and their operation. 14
4. What is geothermal energy? Enumerate advantages of geothermal energy. 14
5. Give a complete description of the working and construction features of a hydrogen-oxygen fuel cell. 14
6. Discuss the renewable forms of energy. Highlight their merits and demerits. 14

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7. Write a detail note on different type of solar concentrating collectors. 14
8. What do you understand by geothermal fields? How can geothermal energy be extracted for useful purposes? 14

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