

2021
B.A./B.Sc.
Third Semester
SKILL ENHANCEMENT COURSE – 1
CHEMISTRY
Course Code: CHS 3.11
(Fuel Chemistry)

PART-B
Total Mark: 15

Answer the following questions.

5×3=15

1. A sample of coal contains: C = 93%, H = 6% and ash = 1%. Calculate the gross and net calorific value of the coal from the following data:
Weight of coal burnt (m) = 0.92 g, Weight of water taken (w) = 550 g
 2. Discuss the important uses of LPG, LNG and CNG. Give their limitations in the 21st century.
 3. How can petrochemicals be used as essential fuel in our daily life? Explain.
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