

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR  
WOMEN, NUVEM**

**SEMESTER END EXAMINATION, JANUARY 2021**

**SEMESTER III of B.Sc (SEC)**

**CHS 101 NATURAL RESOURCES AND ANALYSIS**

**Time: 2 hrs (10.00am to 12.00 noon)**

**Date: 09/01/2021**

**Marks: 30**

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**Q.1) Answer ANY FIVE of the following questions: (5x2)**

- a) Define Food Adulteration.
- b) Write a note on Wind Energy.
- c) What are the causes of Water Pollution.
- d) State the difference between Cracking and Reforming.
- e) What is Carbonization and write its types.
- f) What is Solvent Refining and How is solvent refined coal obtained?
- g) What are Macronutrients and Micronutrients. Give examples of each.
- h) Give examples of two adulterants used in the following:
  - i. Pulses
  - ii. Chilli powder

**Q.2) Answer ANY FOUR of the following questions: (4x5)**

- (a) Write a note on the various steps involved in Water Treatment. (5)
- (b) i) Write the Composition of crude oil. (2)  
ii) Explain the process of refining of crude oil. (3)
- (c) Explain in detail the Soil Profile. (5)

- (d)    iii) Define Knocking (2)
- iv) What are the advantages of the use of Biogas? (3)
- (e) What are Petroleum Products? Explain the uses of any five. (5)
- (f)    v) What is the aim of Food Processing? (2)
- vi) Explain any 3 methods of Food Preservation. (3)

\*\*\*\*\*ALL THE BEST\*\*\*\*\*