

SH-V/Geology-503DSE-1/19

B.Sc. 5th Semester (Honours) Examination, 2019-20

GEOLOGY

Course ID : 52016

Course Code : SHGEL-503DSE-1(T)

Course Title : Fuel Geology

Time 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

- 1.** Answer *any five* of the following questions: 1×5=5
- (a) Name two microorganisms which decompose plants to peat.
 - (b) What is coalification?
 - (c) What is maceral?
 - (d) Define Useful Heat Value (UHV) of coal.
 - (e) Name one coalfield situated in the Bankura district, West Bengal.
 - (f) What is oil window?
 - (g) Name one ore of uranium.
 - (h) Name four operating uranium mines in India.
- 2.** Answer *any two* of the following questions: 5×2=10
- (a) Write a short note on proximate analysis of coal.
 - (b) Write a brief note on the Seyler's coal band.
 - (c) Describe the major uses of radioactive elements.
 - (d) Briefly describe the broad composition of petroleum and natural gas.
- 3.** Answer *any one* of the following questions: 10×1=10
- (a) Briefly describe about the mode of occurrences of uranium in nature.
 - (b) Briefly describe the processes involved in petroleum migration from source rock to pool.
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