2019

B.Sc. (Honours)

5th Semester Examination

GEOLOGY

Paper - DSE 2P

(Practical)

Full Marks : 20   Time : 3 Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

Answer the following questions.

1. Identify the given hand specimen of coal.   5

2. A, B, C are three points in an area of flat topography. A is 600 m South of B and B is 400m West of C and an underground coal seam is encountered by drilling a vertical bore hole of 70 m length from A and inclined bore holes of lengths of 200 m and 100 m, inclinations of 53° → 350° and 40° → 180° from B and C respectively.

[Turn Over]

(A) Find the attitude of the coal seam.

(B) Find out the true thickness of the coal seam.

(C) If the area of the coal seam is 6500 m^2 and specific gravity of the coal is 1.5, then find out the tonnage of the coal.

Scale - 1cm = 100m   5+3+2

3. Laboratory Note Book.   2

4. Viva voce.   3

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