

2018

2nd Semester

GEOLOGY

(Honours)

PAPER—C4P

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the margin indicate full marks.

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

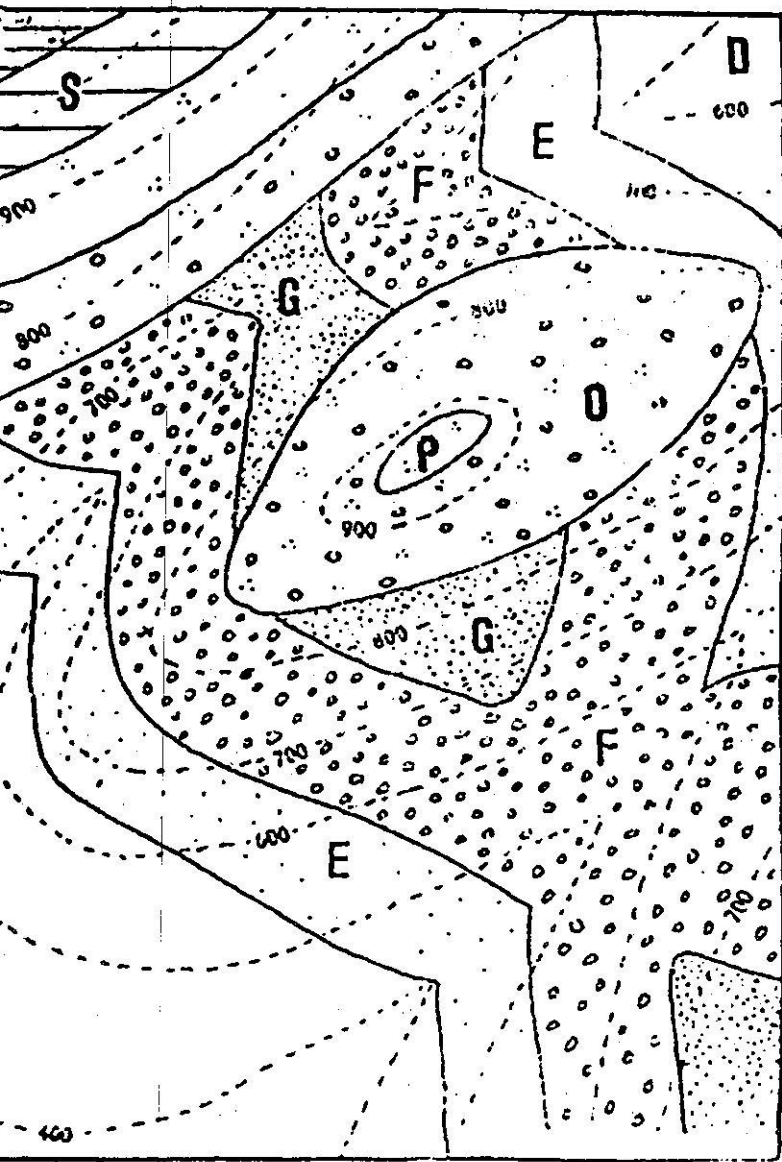
Illustrate the answers wherever necessary.

Answer all questions.

1. Interpret the given geological map with the help of strike lines, dip of the beds. Draw a suitable profile section and describe the stratigraphic sequence accordingly (Map attached)

5

2. A chevron fold has a west limb dips $60/290$ and east limb dips $50/070$. If the hinge of the fold is formed by the intersection of these two planar limbs, what is the plunge and bearing of the hinge ? Determine the dip of axial plane and interlimb angle and classify the fold. 5
3. Three bore holes A,B,C are driven on three hillocks of heights 50 m, 75 m and 90m respectively. A being situated 300 m NE of B and 300 m NW of C. The three bore-holes are intersect an ore body at depth of 80 m, 120 m and 45 m. Find the attitude of the ore body at depth of which a vertical bore hole driven at point P situated 200m N of A and on m.s.l. will intersect the ore body. 5
4. Laboratory Note Book. 2
5. Viva-Voce 3
-



Scale 1 inch to 1000 feet

Question No 1

