

**B.Sc. 5th Semester (Honours) Examination, 2020 (CBCS)**

**Subject: Geology**

**Paper: DSE-1**

**(Geodynamics)**

**Time: 2 hours**

**Full Marks: 40**

*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 eight of the following questions.**

8x5=40

- (a) Explain the characteristics features of Crustal accretion zone.
- (b) Describe the nature of seismicity along convergent plate boundary.
- (c) What is mantle plume?
- (d) What is continental drift hypothesis?
- (e) What is the nature of asthenosphere?
- (f) Write short note on hot spots.
- (g) Explain Wilson cycle.
- (h) Write a note on mantle convection.
- (i) Describe different types of plate boundaries.
- (j) What do you mean by palaeomagnetism?