

**PARUL UNIVERSITY**  
**FACULTY OF APPLIED SCIENCE**  
**B.Sc. Winter 2018-19 Examination**

**Semester: 1**  
**Subject Code: 11111101**  
**Subject Name: General Geology**

**Date: 14/12/2018**  
**Time : 10.30 am to 1.00 pm**  
**Total Marks: 60**

**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type (4x2) (Each of 04 marks) (08)**  
 (a) Explain Interior of the Earth with appropriate figure.  
 (b) Explain structure of the atmosphere.
- Q.1. B) Answer the following questions (Any two) (04)**  
 (a) Brief note (Each of 02 marks) (04)  
 1. What is Golitsyn's layer?  
 2. What is the composition of atmosphere?  
 (b) Short note on Nebular Hypothesis. (04)  
 (c) Short note on Meteorites and Asteroids. (04)
- Q.2. A) Answer the following questions. (04)**  
 (a) Fill in the blanks. (Each of 02 marks) (04)  
 1. The crust is composed of \_\_\_\_\_ material.  
 2. \_\_\_\_\_ waves can travel only through solid materials.  
 (b) Short note on Lithosphere. (04)
- Q.2. B) Answer the following questions (Any two) (03)**  
 (a) Give one word answers. (Each of 01 marks) (03)  
 1. Which discontinuity is found between Mantle-Core boundary?  
 2. How many percentage of the earth's water is fresh water?  
 3. Which oxide is the most dominant oxide found in earth's crust?  
 (b) Short note on Earth's heat budget. (03)  
 (c) Short note on Tidal Hypothesis. (03)
- Q.3. A) Brief note (4x2) (Each of 04 marks) (08)**  
 (a) Brief note on Mesozoic era.  
 (b) Brief note on Earthquake.
- Q.3. B) Answer the following questions (Any two) (04)**  
 (a) Short note (Each of 02 marks) (04)  
 1. Define Body waves.  
 2. Define Surface waves.  
 (b) Short note on Continent-Continent convergence. (04)  
 (c) Short note on Cenozoic era. (04)
- Q.4. A) Answer the following questions. (04)**  
 (a) Fill in the blanks. (Each of 02 marks) (04)  
 1. \_\_\_\_\_ is the densest layer in the atmosphere.  
 2. The expansion of SIMA is \_\_\_\_\_.  
 (b) Short note on Volcanoes. (04)
- Q.4. B) Answer the following questions (Any two) (03)**  
 (a) Short note (Each of 01 marks) (03)  
 1. What is focus?  
 2. What is epicenter?  
 3. What is tropopause?  
 (b) Short note on Paleozoic era. (03)  
 (c) Short note on Continental drift. (03)