

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc. Summer 2018-19 Examination

Semester: 2**Subject Code: 11211152****Subject Name: Stratigraphy of Indian Geology****Date: 03/04/2019****Time: 10:30am To 01:00pm****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/ Brief note (4x2) (Each of 04 marks) (08)

- (a) Describe the stratigraphy of Aravalli Supergroup
- (b) Describe Geological Time Scale

Q.1. B) Answer the following questions (Any two)

- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Enlist the physiographic divisions of India.
 2. Write a note on Mesozoic era
- (b) Short note on Chronostratigraphy (04)
- (c) Describe Magnetostratigraphy (04)

Q.2. A) Answer the following questions.

- (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Mewar and Marwar are the divisions of _____ craton.
 2. Trilobites were the dominant fossils of _____ era.
- (b) Short note on various techniques adopted for stratigraphic studies (04)

Q.2. B) Answer the following questions (Any two)

- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. The broadest unit in lithostratigraphy of rocks is _____
 - a) Supergroup b) group c) bed d) member
 2. Cretaceous – Tertiary mass extinction marks the extinction of _____
 - a) Reptiles b) Mammals c) Dinosaurs d) Amphibians
 3. _____ era is believed to be the longest span in the earth's history.
 - a) Haden b) Proterozoic c) Jurassic d) Paleozoic
- (b) What is a craton? Give an example. (03)
- (c) What is seismostratigraphy? (03)

Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)

- (a) What are the different stratigraphic procedures? Describe Lithostratigraphy.
- (b) Describe Biostratigraphy

Q.3. B) Answer the following questions (Any two)

- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Which period was known as age of reptiles?
 2. How is Tertiary period divided?
- (b) Short note on Paleozoic era (04)
- (c) Describe standard stratigraphy (04)

Q.4. A) Answer the following questions.

- (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. The study of fossil record in a rock and systematic classification of those fossils is called _____
 2. Eonothem corresponds to its geochronologic unit _____
- (b) Short note on Extra peninsular india (04)

Q.4. B) Answer the following questions (Any two)

(a) Short note/ Multiple choice questions. (Each of 01 marks)

(03)

1. _____ stratigraphy is a technique for interpreting stratigraphic information from seismic data.
a) Seismic b) magento c) chemo d) bio
2. Fossils introduced into younger or older rocks are called as _____ fossils.
a) Introduced b) reworked c) barren d) acme zone
3. _____ craton is divided into EDC and WDC
a) Aravalli b) Dharwar c) Bundelkhand d) Bastar

(b) Short note on Biozone

(03)

(c) Short note on Mobile belts of India

(03)