

[This question paper contains 2 printed pages.]

Sr. No. of Question Paper : 891

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Your Roll No.....

Unique Paper Code : 219401

Name of the Course : **B.Sc. (Hons.) Geology**

Name of the Paper : Geology of India [GEHT-401]

Semester : IV

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **five** questions.
3. **All** questions carry equal marks.

1. What are cratons ? Describe briefly the five major Archaean cratons and three prominent Proterozoic mobile belts of Indian shield.
2. Define "Precambrian" and its division with approximate ages. Discuss in brief the rock sequences representing this time period in India.
3. Describe the stratigraphy and depositional environment of the Proterozoic sedimentary rocks of the Cuddapah basin.
4. Give the distribution and characteristics of Gondwana basins in peninsular India. Describe the rocks with Gondwanic affinity in Kashmir.
5. Comment on any **two** of the following :
 - (a) Age of Rajmahal traps and its faunal content.
 - (b) Lithostratigraphy
 - (c) Jurassic of Kutch

6. Write notes on any two of the following :
- (a) Continental Flood Basalt
 - (b) Major tectonic divisions & geographic subdivisions of Himalaya
 - (c) Hadean-Rock record on Earth
7. Write notes on :
- (a) Cretaceous Tertiary boundary
 - (b) Guryul section of Kashmir
8. Answer the following :
- (a) Classification of Siwalik Group and their depositional environment
 - (b) Ore deposits in Singhbhumcraton