



SLR-ST – 250

Seat No.	
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B.Sc. III (Semester – VI) (CGPA) Examination, 2018
GEOLOGY (Special Paper – XIII)
Phanerozoic Stratigraphy of India

Day and Date : Tuesday, 3-4-2018
Time : 10.30 a.m. to 1.00 p.m.

Max. Marks : 70

- Instructions :** 1) **All questions are compulsory.**
2) **Figures to the right indicate full marks.**
3) **Draw neat labeled diagrams wherever necessary.**

1. Fill in the blanks with correct answer from given options. **14**

- 1) In which of the following Era of Indian Stratigraphy Jurassics of Kutch were formed ?
a) Purana b) Aryan c) Dravidian d) Archaean
- 2) The lower Gondwana System includes _____ series.
a) Talchir b) Umia c) Jabalpur d) Rajmahal
- 3) 'Chikkim limestone', belongs to
a) Eocene rocks of Kashmir b) Cretaceous of Spiti
c) Pre Cambrians of Sikkim d) Jurassics of Spiti
- 4) Inter-trappean beds are absent in _____ traps of Deccan traps.
a) Upper b) Middle
c) Lower d) None of the above
- 5) Jurassic rocks of Cutch are overlaid by
a) Deccan Traps b) Gondwana c) Salt range d) None of these
- 6) The main boundary fault separates
a) Vindhyan and Aravallies b) Siwaliks and Tertiaries
c) Siwaliks and Aravallis d) Siwaliks and Archaeans
- 7) Deccan Traps are older than
a) Lametas b) Bagh beds
c) Laterites d) Intertrappeans

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- 8) The last upheaval of the Himalayan mountain belt took place in
a) Lower-Middle Cretaceous b) Miocene-Pliocene
c) Upper Cretaceous-Eocene d) Pliocene-Pleistocene
- 9) The fossils of Physa occur in _____ beds underlying Deccan Traps
a) Umia b) Infratrappean
c) Chari d) None of these
- 10) Productus shales are found in
a) Ordovician b) Silurian c) Devonian d) Permian
- 11) The age of Bagh beds found under Deccan Traps is
a) Triassic b) Jurassic
c) Cretaceous d) Tertiary
- 12) Gondwana sediments were deposited in
a) Geosynclines b) Lakes c) Trough faults d) Estuaries
- 13) Which one of the following series includes in Jurassic of Cutch ?
a) Katrol b) Boulder bed
c) Rikba d) Barren measures
- 14) The age of Muth quartzite is
a) Ordovician b) Silurian
c) Devonian d) Carboniferous
2. Answer **any seven** of the following. **14**
- i) What is the age of neobolus beds ?
 - ii) The fossils of reptiles like Dinosaur are found in which stage of cretaceous of South India.
 - iii) On which rock Cambrian strata of Spiti lies over ?
 - iv) What are series included in Triassic of Spiti ?
 - v) Fossils found in Inter-trappean beds.
 - vi) Names of series in lower Gondwana.
 - vii) Describe “Neobolus beds”.
 - viii) Names of series in upper Gondwana.
 - ix) Define Raniganj stage.



3. A) Write short notes on **any two** of the following. 10
- i) Explain economic importance of Damuda Series.
 - ii) Describe Barren measures.
 - iii) What is the stratigraphical significance of inter-trappean beds ?
- B) Describe in brief Trias of Spiti. 4
4. Answer **any two** of the following. 14
- i) Describe in detail Kioto limestones.
 - ii) Describe in brief with stratigraphic sequence and lithology of Rajmahal series.
 - iii) Describe the nature of Siwalik deposits.
5. Answer **any two** of the following. 14
- i) Describe in detail Marine transgressions.
 - ii) Write a detailed account on Jurassic of Cutch.
 - iii) Describe in brief stratigraphy of Maharashtra.
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