

Seat
No.

Set P

B.Sc.(Semester - V) (New) (CBCS) Examination Oct/Nov-2019
Geology (Special Paper - XI)
STRATIGRAPHY OF INDIA PART - I

Day & Date: Thursday, 10-10-2019
 Time: 11:30 AM To 02:00 PM

Max. Marks: 70

Instructions: 1) All questions are compulsory.
 2) Figures to the right indicate full marks.
 3) Neat diagrams must be drawn wherever necessary.

Q.1 Fill in the blanks by choosing correct alternatives given below. 14

- 1) William Smith has postulated on principle of stratigraphy that is principle of _____.
 a) Uniformitarianism b) order of superposition
 c) faunal succession d) none of these
- 2) A xenolith of sandstone is found in granitic dome. Which one is the younger?
 a) Xenolith
 b) granite
 c) both are of same age
 d) They don't have any age relation
- 3) Which one of the following is Chronostratigraphic unit?
 a) Formation b) group
 c) bed d) Eonothem
- 4) Which one of the following is NOT a craton?
 a) Satpura b) Bastar
 c) Eastern Dharwar d) Western Dharwar
- 5) Which one of the following is a part of Eastern Dharwar Craton (EDC)?
 a) Chitradurg group b) Kolar group
 c) Sargur group d) None of these
- 6) Bailadila group is belongs to _____ Craton.
 a) Dharwar b) Baster
 c) Singhbhum d) Bundelkhand
- 7) Older Metamorphic Tonalite Gneiss (OMTG) belongs to _____ Craton.
 a) Baster b) Dharwar
 c) Singhbhum d) Bundelkhand
- 8) "Purana" basins are now called as _____ basins.
 a) Proterozoic b) intra-continental
 c) epi-cratonic d) All of these
- 9) Which one of the following groups of Vindhyan basin is oldest?
 a) Bhandar b) Rewa
 c) Semri d) Kaimur
- 10) Which one of the following groups of Cuddapah supergroup is youngest?
 a) Kurnool b) Nallamalai
 c) Chitravati d) Papaghni

- 11) Apart from Indian cratonic low-grade granite-greenstone terrains found in _____.
- | | |
|------------------|-----------------|
| a) Africa | b) Canada |
| c) none of these | d) Both a and b |
- 12) The age of oldest rocks on Indian Peninsula is _____ Ma.
- | | |
|---------|---------|
| a) 3500 | b) 4600 |
| c) 3300 | d) 2800 |
- 13) Satpura mobile belt is bounded by _____.
- | | |
|---------|------------------|
| a) CITZ | b) CISZ |
| c) Both | d) None of these |
- 14) Crescent shaped Cuddapah basin is trending _____.
- | | |
|------------|------------------|
| a) N-S | b) E-W |
| c) SSW-SSE | d) None of these |

Q.2 A) Answer the following questions. (Any Four) 08

- 1) Describe a Member in lithostratigraphy.
- 2) Define Craton.
- 3) Name the two major groups in Western Dharwar Craton (WDC).
- 4) Name any two granulite belts in Bastar Craton.
- 5) List out any four names of Proterozoic basins.

B) Write Notes. (Any Two) 06

- 1) Describe in brief "Principle of Inclusions".
- 2) Explain depositional environment of Kurnool group.
- 3) Describe in brief 'Charnockite series'.

Q.3 A) Answer the following questions. (Any Two) 08

- 1) Write note on 'Closepet granite'.
- 2) Write note on 'Bundelkhand granite'.
- 3) Describe Nellore Schist belt of Eastern Ghats Mobile belt.

B) Answer the following questions. (Any One) 06

- 1) Write a note on 'Bhilwara supergroup'.
- 2) Describe composite stratigraphy of first cycle of Precambrian of Himalaya.

Q.4 A) Answer the following questions. (Any Two) 10

- 1) Describe in brief western charnockite zone of Eastern Ghats Mobile belt.
- 2) Write Precambrian stratigraphic table of Lesser Himalaya.
- 3) Write a note on Bagalkot group of Kaladgi basin.

B) Answer the following questions. (Any One) 04

- 1) Write stratigraphic sequence of Eastern Dharwar Craton (EDC).
- 2) Write a note on Mewar gneiss.

Q.5 Answer the following questions. (Any Two) 14

- a) Describe in brief classification of Aravalli supergroup.
- b) Distribution, lithology and economic importance of sausar group.
- c) Explain stratigraphy of Cuddapah supergroup.