

Roll No.

CBE-783-T

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CBE-783-T
B. Sc. Fifth Semester
(End Semester)
Examination Dec., 2018

APPLIED GEOLOGY
Paper - GEO-EC-511
(Indian Stratigraphy)

Time : Three Hours] [Maximum Marks : 60

Note : Attempt all questions.

SECTION-A
(Objective Type Questions)

Note : Choose the correct option. 10×1=10

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1. The early, middle and late proterozoic-with time boundaries at :
 - (a) 2500-1500 and 900 m. y. respectively
 - (b) 3000-1500 and 1000 m. y. respectively
 - (c) 3000-2000 and 1000 m. y. respectively
 - (d) 2800-2200 and 1000 m. y. respectively
2. Which formation of sauser group is more important for manganese ore :
 - (a) Sitasongi formation
 - (b) Lohangi formation
 - (c) Mansar formation
 - (d) Chorbaoli formation
3. Ajabgarh group belongs to :
 - (a) Delhi supergroup
 - (b) Bundelkhand gneiss
 - (c) Aravalli supergroup
 - (d) None of these

4. Which is the oldest and longest era in the earth's history :
- (a) Cenozoic
 - (b) Mesozoic
 - (c) Paleozoic
 - (d) Precambrian
5. Homotaxial geological formations are :
- (a) Equivalent in age
 - (b) Equivalent in age but situated wide apart
 - (c) Different in age
 - (d) Different in age and situated at same place
6. Correlate and mark correct on :
- | | | |
|-----------|-------|--------|
| 1. Era | (i) | System |
| 2. Period | (ii) | Group |
| 3. Epoch | (iii) | Stage |
| 4. Age | (iv) | Series |
- (a) 1-i, 2-ii, 3-iii, 4-iv

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- (b) 1-iii, 2-i, 3-iv, 4-ii
 - (c) 1-ii, 2-i, 3-iv, 4-iii
 - (d) 1-iv, 2-iii, 3-i, 4-ii
7. The Bio-stratigraphic correlation involves the :
- (a) Stage of evolution of fauna and faunal resemblance
 - (b) Guide fossils
 - (c) Position in a bio-stratigraphic sequence
 - (d) All of the above
8. Dinosaurs existed during :
- (a) Paleozoic era
 - (b) Mesozoic era
 - (c) Tertiary era
 - (d) All of the above are correct
9. The line of demarcation between Achaean and Proterozoic being placed at :
- (a) 2000 m. y.
 - (b) 2300 m. y.

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- (c) 2500 m. y.
- (d) 3000 m. y.

10. Mark the correct statement :

- | | | |
|------------------------|-------|-----------------|
| 1. Kashmir-Hazara area | (i) | Vaikrita system |
| 2. Kumaon-Spiti area | (ii) | Buxa series |
| 3. Garhwal area | (iii) | Jansar series |
| 4. Bhutan | (iv) | Salkhala series |

- (a) 1-ii, 2-iii, 3-i, 4-iv
- (b) 1-iv, 2-ii, 3-iii, 4-i
- (c) 1-iv, 2-i, 3-iii, 4-ii
- (d) 1-iii, 2-iv, 3-ii, 4-i

SECTION-B

(Short Answer Type Questions)

4×5=20

- 1. Discuss the age of Saline series.
- 2. Write a note on stratigraphy of Umaria Marine formation

- 3. Write the distribution and stratigraphy of Gwalior Group of rocks.
- 4. Write the distribution and stratigraphy of Bagh formation.

SECTION - C

(Long Answer Type Questions)

Note : Attempt any three questions. 3×10=30

- 1. Write an essay on distribution, classification stratigraphy,, age, correlation and economic importance of Vindhyan Super group.
- 2. Write the distribution, stratigraphy, age and economic importance of deccan traps..
- 3. Write the distribution, stratigraphy and fauna of Jurrassic of Kutch. http://www.dhsgsu.com
- 4. Write the distribution, stratigraphy and economic importance of tertiary of Assam.
- 5. write the distribution, stratigraphy and faunal assemblage of Lilang group.

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