

Q.P. Code : 77092

(2 Hours)

Total Marks : 75

**Note : (1) All questions are compulsory
(2) Draw neat diagrams wherever necessary**

1. a) i) Give a detailed account of tectonic elements of continents. **08**
ii) Explain in brief tectonic divisions of India. **07**
OR
b) Describe in detail the structure and tectonic elements of oceans. **15**
2. a) Explain in detail structure, stratigraphic succession and lithology of Dharwar Supergroup. **15**
OR
b) i) Write a note on different mineralizations associated with Singhbhum shear zones. **08**
ii) Describe stratigraphic succession of Aravalli Supergroup. **07**
3. a) Explain in detail stratigraphic succession and lithology of Kaladgi Group and add a note on their depositional environment. **15**
OR
b) i) Differentiate between Cuddapah Supergroup and Kurnool Group based on their depositional environment. **08**
ii) Write a note on conditions of deposition of Kolhan Group. **07**
4. a) i) Describe the structure and lithology of Jutogh and Daling Groups. **07**
ii) Write a note on Bhimpedi Group and its depositional environment. **08**
OR
(b) Explain in detail stratigraphic succession, structure and lithology of Central sector of Precambrians of Lesser Himalaya. **15**
5. Write notes on **any three** of the following **15**
a) Vaikrita Group.
b) Cratons.
c) Kaimur Group.
d) Pakhal Group.
e) Champaner Group.
f) Charnockites of Eastern Ghat.