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Second Semester Online Examination, May-June, 2022

M. Sc. GEOLOGY

Paper II

SEDIMENTOLOGY

Time : Three Hours ]

[Maximum Marks : 80

*Note : Part A and B of each question in each unit consist of 'very short answer type question' which are to be answered in one or two sentences. Part C 'Short answer type' and D 'Long answer type' of each question should be answered within the word limit mentioned.*

**UNIT-I**

1. (A) What is flux of sediments. **2**  
(B) Name any three fluvial deposits. **2**  
(C) Comment on Deep Sea Basins.

*(word limit 200-250) 4*

**OR**

Describe in brief about shallow coastal  
elastics.

- (D) Describe in detail about Eolian sedimentary  
Environment *(word limit 400-450) 12*

**P.T.O.**

**OR**

Explain about generation of sedimentary  
structures.

**UNIT-II**

2. (A) Define volcanoelastics ? **2**  
(B) What is shallow water carbonates ? **2**  
(C) Comment an palaeocurrent.

*(word limit 200-250) 4*

**OR**

Explain Basin Analysis.

- (D) Throw light in detail on sedimentary  
facies. *(word limit 400-450) 12*

**OR**

Comment in detail an Tectonics and  
sedimentation.

**UNIT-III**

3. (A) What is Palaeo environment ? **2**  
(B) Comment on Rare earth element. **2**  
(C) What is elastic petrofacies.

*(word limit 200-250) 4*

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**OR**

Explain about application of Trace element in sedimentological problems.

- (D) Throw light in detail an importance of sedimentary structures in determination of Top and Bottom of rocks.

*(word limit 400-450) 12*

**OR**

Comment on Heavy minerals in sedimentary rocks and their significance.

**UNIT-IV**

4. (A) Comment an recording of sedimentary structure. **2**
- (B) How are can prepare thin sections. **2**
- (C) Comment on cathodoluminescence.

*(word limit 200-250) 4*

**OR**

Explain about grain size analysis of sedimentary rocks.

- (D) Throw light in detail on grain size analysis of sedimentary rocks.

*(word limit 400-450) 12*

[ 3 ]

P.T.O.

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**OR**

Explain about diagenesis of mudstone and carbonate rocks.

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