3 SEM TDC GEO M 1

2018

(November)

GEOLOGY

(Major)

Course: 301

(Structure and Tectonics)

Full Marks: 48
Pass Marks: 19/14

Time: 2 hours

The figures in the margin indicate full marks for the questions

(Structural Geology)

(Marks : 30)

 What is fold? Describe the structural elements of folded surface. Write about the morphological classification of fold. 1+4+4=9

Volcanic and earthquake belt

6. Write on any two of the following:

2. Write notes on any two of the following:

Joints and their classification

- Criteria for recognition of faults (b)
- Stress and its types
- GEOLOGY 3. What is a fault? Show the structural elements of fault with diagrams. Write on the geometric classification of faults. Course 301 *
- 4. (a) Draw an angular unconformity.
 - **(b)**
 - Define Hooke's law. Choose the correct answer: Fault is a diastrophic/non-diastrophic The figures in the margin indicate full marks

(Tectonics)

(Marks : 18) 5. Write about the broad structural framework Marrows are delineasts that of smill

san hearing where an Orice trables so extended Write about the concept of plate tectonics.

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Island arc (b) Deep sea trenches and mid-oceanic ridge Fill in the blanks: (a) 7. Himalaya is situated between ____ and ___ tectonic plate. (b) What is triple junction?

 $4 \times 2 = 8$

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