

## **Quadrant IV – Assessment (Module –wise)**

**Programme: Bachelor of Science (Third Year)**

**Subject: Geology**

**Paper Code: (DSC) GEC 108**

**Paper Title: Sedimentary Petrology**

**Unit: 2**

**Module Name: Textures, Composition, Distribution and Diagenesis of Non  
Clastic: Ferruginous**

**Name of the Presenter: Malcolm Afonso**

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### **MCQ**

### **Completion type (fill-in-the-blanks)**

#### **Short Answer – I (short notes - say 20 to 50 words)**

1. What are banded iron formations?
2. Distinguish between Algoma type and superior type banded iron formation.
3. What are ironstones?

#### **Short Answer – II (extended – say 50 to 100 words)**

1. Give an account of banded iron formation with respect to its types, occurrence, mineralogy, structure and distribution in geologic time.
2. Give an account of ironstones with respect to its types, occurrence, mineralogy and distribution in geologic time.
3. Discuss the origin of banded iron formation.

### **Matching type**

### **Numerical/Problems to Solve**

## **Self-reflection**

The origin of banded iron formation is not clearly understood because there is no modern analog for the iron-rich sediments, depositional models for these sediments have to be formulated mainly on the basis of the ancient record. What are the points of discussion/debate surrounding their origin?

**Create something new (higher order cognition)**