



PRESIDENCY UNIVERSITY, BENGALURU  
SCHOOL OF MANAGEMENT

Max Marks: 60

Max Time: 180 Mins

Weightage: 30 %

Set B

**COMPREHENSIVE EXAMINATION**

I Semester 2016-17

Course: CE A 203 Geology

14 December 2016

**Instructions:**

- i. Write legibly.
- ii. Closed book exam comprises Part A, B and C and open book exam involves only Part D.
- iii. Separate answer booklet must be used for open book examination.
- iv. Only prescribed text book is permitted for open book examination.

**Part A**

Answer the following questions

(5 Q x 3 M= 15 Marks)

1. Define mineral and name any three minerals.
2. Explain formation of clastic rock.
3. Explain Holocrystalline, Hemi crystalline and Holohyaline.
4. What is lustre? Name the different types of lustre.
5. Define Hypocentre and epicentre with the help of a diagram.

**Part B**

Answer the following questions

(3 Q x 5 M= 15 Marks)

6. Explain the components of the dam with neat diagram.
7. Discuss briefly the following terms with suitable diagram.
  - a) Deflation
  - b) Yardangs
  - c) Ventifacts
  - d) Ox-bow Lake and
  - e) Meander
8. Describe the classification of igneous rock on the basis of mode of occurrence.



### Part C

Answer the following questions

(1 Q x 10 M= 10 Marks)

9. What is deformation? Explain the force causing the deformation in the rocks and types of deformation.

### Part D (Open book)

Answer the following questions

(2 Q x 10 M= 20 Marks)

10. Explain the process associated with river. Write their engineering significance
11. a) Define Petrology. Explain the Importance of petrology in Civil engineering.
- b) In what aspect do extrusive differ from intrusive rock.





PRESIDENCY UNIVERSITY, BENGALURU  
SCHOOL OF ENGINEERING

Max Marks: 30

Max Time: 50 Mins

Weightage: 15 %

Set A

TEST-2

I Semester 2016-2017

Course: CE A 203 Geology

15 Nov 2016

**Instructions:**

- i. Write legibly
- ii. Draw sketches wherever necessary

**Part A**

Answer the following questions

(5 Q x 2 M= 10 Marks)

1. Define pyroclasts.
2. What is Pedestal rock?
3. What is 'joint' in rocks?
4. What is meant by overturned fold?
5. Explain the formation of Sedimentary rocks.

**Part B**

Answer the following questions

(2 Q x 5 M= 10 Marks)

1. Explain briefly Rock cycle.
2. Write short notes on following :
  - a) Suspension
  - b) Saltation
  - c) Attrition
  - d) Rock Quality Designation (RQD)

**Part C**

Answer the following question

(1 Q x 10 M= 10 Marks)

1. Explain types of dam and geological investigation for a Dam.

Presidency University, Bengaluru  
School of Engineering

1<sup>st</sup> Semester 2016-2017

Test -1

Course: **CE A 203: Geology**

( Closed Book)

Max Marks: 20

Max Time: 50 Min

Weightage: 10 %

10 Sep 2016

**Set B**

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Part A

(1 ×1=5)

1. Define engineering geology?
2. Describe the nebular hypothesis?
3. What is lustre and types of lustre?
4. What is cleavage?
5. What is chemical composition of dry air?

Part B

(3×5=15)

1. Describe briefly the layers of interior of the earth with neat diagram and applications of geology in civil engineering?
2. Describe briefly the optical properties of minerals?
3. Describe the classification of atmospheric layers based on thermal variation with neat diagram and origin of magma?



Presidency University, Bengaluru  
School of Engineering

1<sup>st</sup> Semester 2016-2017

Test -1

Course: **CE A 203: Geology**

( Closed Book)

Max Marks: 20

Max Time: 50 Min

Weightage: 10 %

10Sep 2016

Set A

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**Part A**

(1 ×1=5)

1. Define Mineralogy?
2. What is Lithosphere?
3. What is Moho's scale?
4. Draw internal structure of Earth?
5. What is streak?

**Part B**

(3×5=15)

1. Describe briefly types of formation of minerals?
2. Describe Crystallization of magma?
3. Describe the chemical composition of magma and classification of magma based on the chemical composition?