

**Assignment-1**  
**Program: -B.Tech Civil -4<sup>th</sup> Semester**  
**Course: -Concrete Technology**  
**Course Code- BTCE-224**  
**Last Date of Submission - 12<sup>th</sup> March, 2018**

**Instructions:**

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

**Question No. 1.**

- (A) Explain how concrete is transported by pumping with help of neat diagram?
- (B) Explain slump test with diagram?

**Question No. 2.**

- (A) Define Concrete. Explain brief introduction to properties of concrete.
- (B) Describe the importance of cement concrete construction.

**Assignment-1**  
**Program: -B.Tech Civil -4<sup>th</sup> Semester**  
**Course: - Hydraulics & Hydraulic Machines**  
**Course Code- BTCE-223**  
**Last Date of Submission - 12<sup>th</sup> March, 2018**

**Instructions:**

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

**Question No. 1.**

- (A) Differentiate between O.C.F and pipe flow?
- (B) What is froude number? Discuss its significance in O.C.F.

**Question No. 2.**

- (A) Write the types of liquid flow.
- (B) Explain the following terms-
- a. Reynolds number
  - b. Path line
  - c. Stream line
  - d. Critical velocity
  - e. Discharge

**Assignment-1**  
**Program: -B.Tech Civil -4<sup>th</sup> Semester**  
**Course: - Engineering Geology**  
**Course Code- BTCE-221**  
**Last Date of Submission - 12<sup>th</sup> March, 2018**

**Instructions:**

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

**Q.1**

- (A) What do you understand by the term Artesian wells?
- (B) Explain Metamorphic Rock.

**Q.2**

- (A) What are different Rock forming minerals?
- (B) Differentiate between kyanite and Quartz.

**Assignment-1**  
**Program: -B.Tech Civil -4<sup>th</sup> Semester**  
**Course: - Geoinformatics**  
**Course Code- BTCE-222**  
**Last Date of Submission - 12<sup>th</sup> March, 2018**

**Instructions:**

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

**Q.1**

- (A) What is Geoinformatics?
- (B) Explain Aerial photography.

**Q.2**

- (A) What is stereoscopy? Explain.
- (B) Define remote sensing. Which energy is used for remote sensing?

**Assignment-1**  
**Program: -B.Tech Civil -4<sup>th</sup> Semester**  
**Course: -Structural Analysis-I**  
**Course Code- BTCE-225**  
**Last Date of Submission - 12<sup>th</sup> March, 2018**

**Instructions:**

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

**Question No. 1.**

- (A) What is the different method of Analysis of trusses?
- (B) What is the difference between statically determinate and statically indeterminate structure?

**Question No. 2.**

- (A) Define shear centre.
- (B) Explain WINKLER-BACH theory.