



Civil Engineering

Examination

Coverage of the Civil Engineering Exam

The Civil Engineering exam questions will cover the following disciplines:

#	Discipline	Sub-Discipline
1	Engineering Fundamentals	Statics
		Strength of materials
2	Structures	Concrete Technology
		Structural Analysis
3	Geotechnical	

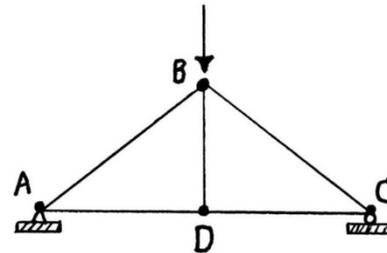
Sample Questions of the Civil Engineering Exam

Q1. Clear cover to concrete reinforcement in beams is:

- A. 30 mm
- B. 100 mm
- C. 75 mm
- D. 40 mm (correct answer – Low)

Q2. Consider the plane truss shown. The zero force member is:

- A. Member AB
- B. Member BC
- C. Member BD (correct answer – Low)
- D. No zero force member



Q3. Which one of the following statements is correct about concrete in Kuwait?

- A. K300 corresponds to about 30 MPa (correct answer – Moderate)
- B. K300 corresponds to about 300 MPa
- C. K300 is used to resist sulfate and chloride attacks
- D. None of the above

Recommended References for the Civil Engineering Exam

The following references are suggested for the Civil Engineering Exam.

1. Hibbeler, R.C. “Engineering Mechanics: Statics”, 11th edition, Prentice Hall, 2007.
2. Beer, F. P. Johnston, E.R. Jr., and DeWolf, J.T. “Mechanics of Materials”, 4th edition, McGraw Hill, 2006.
3. Hibbeler, R.C. “Structural Analysis”, 7th edition, Pearson.
4. Wight, J., and McGregor, J., “Reinforced Concrete: Mechanics and Design”, 5th edition, Pearson, 2005.
5. Nawy, E.G. “Reinforced Concrete: A Fundamental Approach”, 6th edition, Prentice Hall, 2008.
6. Building Code Requirements for Structural Concrete and Commentary ACI318M-05-08.
7. Neville, A.M. “Properties of Concrete”, 4th edition, Longman Group Ltd.
8. Das, B.D. “Principles of Geotechnical Engineering”, 7th edition, 2007.
9. Das, B.D. “Principles of Foundation Engineering”, 6th edition, 2006.