



DEPARTMENT OF CIVIL ENGINEERING

MID Term Examination

Subject: Concrete Technology

Instructor: Engr. Iqtidar Ali khan

Total Marks: 30

Note:

Attempt all questions.

Manage your paper in order according to questions.

Manage your time properly.

Question # 1 (10)

A	Concrete is neither as strong as nor tough as steel, so why is it the most widely used engineering material. Write at least three primary reasons.	5
B	What are the factors influencing compressive strength of concrete. Explain each of them in detail.	5

Question # 2 (10)

A	Explain micro structure of hydrated cement paste in detail.	5
B	What do we meant by thermal properties of concrete. Explain each of them.	5

Question # 3 (10)

A	Wirte a brief note on 1. Normal strength concrete 2. Reinforced concrete 3. Pre-stressed concrete	5
B	Explain briefly interfacial transition zone in concrete.	5