

NWFP University of Engineering and Technology Peshawar (Main campus/ Bannu  
Campus/ GIST)

Second Semester (Civil) Midterm Examination (SPRING 2007)

Engineering Materials CE106

Time allowed: 2 hrs

Total Marks 50

Attempt all questions.

Q1: a) Define Portland cement. What are the main compounds of Portland cement? What are the types of Portland cement under the AST1W standard? (10)

5

b) Define lime. What are the properties of hydraulic lime? What is meant by artificial hydraulic lime?

(10)

Q2 Discuss briefly (keeping in mind the desired qualities of a good concrete) (12)

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Workability

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Water cement ratio Gradation of  
aggregates

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Q3: a): According to B.S what is the format size of a brick? What are the different grades of bricks?

(5)

b) How will you find the compressive strength of a stone in the laboratory?  
(Compressive strength).

(10)

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