

Entrance Examination

Civil Engineering Department

GEOGRAPHY :—

- (1)—Where is Goose Island and why?
- (2)—In what country is Rosalie Hall? Name States and territories traversed in a trip from Armour Institute to Rosalie Hall.
- (3)—What is a straight? A low straight? A high straight?

GRAMMAR: —

- (1)—Decline “to drink.” If you are unable to do that try “to flunk.”
- (2)—Correct the following sentences.
 - (a)—Descriptive geometry is very easy and does not require any study.
 - (b)—Building a bonfire of surplus wearing apparel in your neighbor's back yard, is a modern way of expressing love and affection.

ARITHMETIC :

- (1)—A man should sleep seven hours each day. If Jones does 31 hours' work each day, how much sleep will he get in a week?
- (2)— $2+2=?$
- (3)—Which is luckier, 7 or 11?
- (4)—What is the cost of $8\frac{1}{4}$ tons of radium?

BIOLOGY :

- (1)—What is a bob-tailed flush?
- (2)—Why does a fly-wheel?
- (3)—Describe and give number of leaves in a pamphlet. Are they dense or can you see through them easily without any preparation?

GEOLOGY :

- (1)—How is rock-candy formed?
- (2)—Explain the existence of sand in sugar?

CHEMISTRY :

- (1)—What is the principal use for a flask?
- (2)—What is the Pacific gravity of water?
- (3)—Name one thing that radium cannot supplant or cure or accomplish.

NAVIGATION :

- (1)—Name, locate and describe bars on both sides of State Street from Thirty-third Street to Thirty-fifth Street with your eyes shut.
- (2)—Can a schooner pass Blue Island? Give reasons for your answer.