



CRAWFORD UNIVERSITY
COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF INDUSTRIAL CHEMISTRY
RAIN SEMESTER EXAMINATION 2020/2021

COURSE CODE: ICH 424

COURSE TITLE: INDUSTRIAL METHODOLOGY

UNITS: 2

TIME ALLOWED: 2Hrs

DATE: JUNE, 2021

INSTRUCTIONS: Answer any FOUR (4) Questions

1. Write short notes on each of the following:
 - a. Unplanned downtime.
 - b. Downtime.
 - c. Planned downtime
 - d. Uses of work measurement
 - e. Objectives of work measurement.
2. Briefly describe the twelve benefits of Quality Control in the Industry.
3. a) Quality Control and Quality Assurance are two basic concepts used in the industry. Describe the two concepts and highlight their differences.
b) List out the seven value drivers in any profitable manufacturing industry.
4. Resource allocation, Inventory Control and Production Control go together in a manufacturing industry. Explain how these concepts are applied in the industry.
5. a) Describe the various uses of work measurement.
b) List and describe any five requirements for effective time study.