

KATHMANDU UNIVERSITY  
End Semester Examination  
March/April, 2017

Marks Scored:

Level : B.E.

Year : IV

Course : CIEG 403

Semester: I

Exam Roll No. :

Time : 30 mins.

F. M. : 10

Registration No.:

Date : APR 07 2017

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Tick the best answer:

1. The first element of project features is:  
(a) Input (b) Activity  
(c) Output (d) Achievement of objectives
2. In a typical project cycle, project funding is followed by:  
(a) Appraisal (b) Implementation (c) Identification (d) Preparation
3. Direct control on decision making is advantageously exercised in :  
(a) sole proprietorship (b) Partnership (c) Corporation (d) Cooperative
4. The assessment of required fund at given time of a project period is indicated by:  
(a) Capital cost (b) Working capital (c) Project plan (d) Cash flow
5. A promisee in a contract is the:  
(a) Engineer (b) Owner (c) Contractor (d) Subcontractor
6. In which type of contract does the contractor carry out planning, managing, and coordination functions of the project?  
(a) Item rate (b) Lump sum (c) Management (d) Integrated
7. Which of the followings is not a part of the content of Instruction to Bidders?  
(a) Fraud and corruption (b) Bid validity  
(c) Pre-bid meeting (d) Price adjustment
8. Maximum amount of liquidated damage in contracts, as compared to contract amount, in general, does not exceed:  
(a) 5% (b) 10% (c) 15% (d) 20%
9. An unplanned, unintended, unexpected, unwanted occurrence which result in the loss of production, injury to the persons and damage to the plants and equipment is:  
(a) Accident (b) Hazard (c) Disaster (d) Risk
10. A construction equipment with one piece container consisting of two halves joined by a hinge which allows the structure to come together to close is:  
(a) Backhoe (b) Dragline (c) Clamshell (d) Dumper
11. Project Risk response is also known as Risk ... :  
(a) Identification (b) Analysis (c) Management (d) Mitigation
12. In a project information flow diagram, one who stands at the farthest end is:  
(a) Engineer (b) Contractor (c) Owner (d) Executing Agency



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Semester: I  
F.M. : 40

SECTION "B"

Attempt *ALL* questions.

1. What are the fundamental aspects of management? Explain. [5]
2. Explain about the importance of a construction project planning. [5]
3. Produce a sample quality test report for a concrete cube test. [5]
4. What information should be provided in a typical Tender notice for construction works? [5]
5. What are the principles of writing a standard specification for works? Discuss in detail. [6]
6. What do you understand by the Project Manager's closure of a construction project? And what activities are completed at this stage of project implementation? [6]
7. Find the critical path from following activity table and calculate floats. [8]

| Activity | Duration in days | Immediate Predecessors |
|----------|------------------|------------------------|
| A        | 5                | -                      |
| B        | 4                | A                      |
| C        | 6                | A                      |
| D        | 4                | A                      |
| E        | 3                | C, B                   |
| F        | 4                | D                      |
| G        | 2                | E                      |
| H        | 3                | E                      |
| I        | 6                | F                      |
| J        | 3                | G                      |
| K        | 2                | H, I                   |
| L        | 4                | J, K                   |

