



GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

Faculty of Engineering
Department of Civil Engineering

BSc Engineering Degree

Semester 5 Examination – May/June 2018
(Intake 33 – All Engineering Streams)

CE 3142 PROFESSIONAL ETHICS

Time allowed: 3 hours

11 June 2018

INSTRUCTIONS TO CANDIDATES

This paper contains 4 questions on 3 pages
Answer **ALL** questions

This is a closed book examination

This examination accounts for 70% of the module assessment. The marks assigned for each question and parts thereof (out of 100 for this paper) are indicated in square brackets

If you have any doubt as to the interpretation of the wordings of a question, make your own decision, but clearly state it on the script

Assume reasonable values for any data not given in or provided with the question paper,
clearly make such assumptions made in the script

All examinations are conducted under the rules and regulations of the KDU

1. (a) Explain the following concepts: (i) Objectivity (ii) Transparency (iii) Integrity (iv) Conflict of Interest (v) Legality Vs. Morality [15 Marks]
- (b) Give an example for each of the above concepts with relevance to Professional Ethics [10 Marks]
2. Describe a real or hypothetical project relevant to any field of Engineering and discuss in detail a minimum of four issues related to each of the following: [10 Marks]
- (a) Professional Ethics. [15 Marks]
- (b) Ecological Conservation [10 Marks]
3. Assume that you are the Manager of a hypothetical or real factory, workshop or project site relevant to Engineering. Describe what this site is with regard to purpose of the project, activities, equipment, people and site features. Assume that you have been assigned by your superior to assess the safety situation at this site and come out with a status report and safety improvement plan. Describe how you would carry out this assignment. [25 Marks]
4. The following are some of the items related to Global and Business Ethics:

- (a) Money Laundering (b) Skimp on Supply (c) Bio piracy

Take each of the above items and:

- (i) Explain the meaning of each item. [09 Marks]
- (ii) Describe the issues related to each item. [09 Marks]
- (iii) Describe a real or hypothetical example to illustrate each item. [07 Marks]
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