NOVEMBER 2013 EXAMINATION

DATE: 12 NOVEMBER 2013

TIME: 14H00 – 17H00
TOTAL: 100 MARKS

DURATION: 3 HOURS
PASS MARK: 40%

(PMLF-001)

PROJECT MANAGEMENT FOR LAW ENFORCEMENT

THIS EXAMINATION PAPER CONSISTS OF 4 SECTIONS:

SECTION A: CONSISTS OF:
(i) 5 MULTIPLE-CHOICE QUESTIONS (10 MARKS)
(ii) 5 TRUE OR FALSE QUESTIONS (10 MARKS)
(iii) 10 MATCHING-STATEMENT QUESTIONS (10 MARKS)

ANSWER ALL THE QUESTIONS

SECTION B: CONSISTS OF 4 SHORT QUESTIONS
ANSWER ALL THE QUESTIONS (10 MARKS)

SECTION C: CONSISTS OF 2 LONG ANSWER QUESTIONS
ANSWER BOTH QUESTIONS (20 MARKS)

SECTION D: CONSISTS OF 3 INTERPRETATIVE QUESTIONS
ANSWER ANY TWO OF THE QUESTIONS (40 MARKS)

INSTRUCTIONS:

1. Read the following instructions carefully before answering the paper, as failure to act upon them will result in a loss of marks.
2. Write your answers in your answer book, which is provided in the exam.
3. Ensure that your name and student number are clearly indicated on your answer book.
4. Write your answers in either blue or black ink in your answer book.
5. Read each question very carefully before you answer it and number your answers exactly as the questions are numbered.
6. Begin with the question for which you think you will get the best marks.
7. Note the mark allocations for each question – give enough facts to earn the marks allocated. Don’t waste time by giving more information than required.
8. You are welcome to use diagrams to illustrate your answers.
9. Please write neatly – we cannot mark illegible handwriting.
10. Any student caught cheating will have his or her examination paper and notes confiscated. The College will take disciplinary measures to protect the integrity of these examinations.
11. If there is something wrong with or missing from your exam paper or your answer book, please inform your invigilator immediately. If you do not inform your invigilator about a problem, the College will not be able to rectify it afterwards, and your marks cannot be adjusted to allow for the problem.
12. This paper may be removed from the examination hall after the examination has taken place.
SECTION A

(30 MARKS)

ANSWER ALL THE QUESTIONS

(i) MULTIPLE-CHOICE QUESTIONS

Choose the correct option for each of the following. Write only the question number and your chosen answer. For instance, if you think that the correct answer for number 1 is (a), then write it as 1. (a).

1. Which one of the following is not a type of warranty?
   (a) supply warranty
   (b) structure warranty
   (c) service warranty
   (d) failure-free warranty

2. Which one of the following is not one of the methods used to estimate costs?
   (a) group method
   (b) conference method
   (c) comparison method
   (d) bottom-up method

3. Identify the incorrect one. Natural raw materials include:
   (a) grains.
   (b) soya.
   (c) ore.
   (d) coffee.

4. Which one of the following is not one of the advantages of a matrix structure?
   (a) creation of a strong base of technical expertise
   (b) better allocation and utilisation of resources
   (c) project budgets are closely controlled
   (d) rapid response to changes to new products

5. Which one of the following is an advantage of the hierarchical functional structure?
   (a) The lines of project responsibility and authority are clearly defined.
   (b) Managers are developed who can manage change.
   (c) Strong team understanding and loyalties are developed.
   (d) Specialised skills are combined in one department. [5 x 2 = 10]
(ii) **TRUE OR FALSE QUESTIONS**

Indicate whether the following statements are True or False. Motivate all your answers.

1. At the completion of the conception phase the product purpose and its design parameters must be documented in clear and unambiguous terms and agreed with the customer.

2. The free float is the float possessed by an activity.

3. The critical path is the sequence of activities which determines the total time for the task.

4. The total float is the float possessed by an activity which, if used, will not change the float in later activities.

5. PERT is a name for a network analysis technique formed from the words 'program evaluation and review technique'.

   \[5 \times 2 = 10\]

(iii) **MATCHING-STATEMENT QUESTIONS**

Match the statements in Column B to the terms in Column A. Write down the answers only, for example 1. (a).

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. fixed assets</td>
<td>(a) shows the rate of return on own capital</td>
</tr>
<tr>
<td>2. current assets</td>
<td>(b) equipment and machinery</td>
</tr>
<tr>
<td>3. return on investment (ROI)</td>
<td>(c) the additional amount of assets / money that the project needs from time to time</td>
</tr>
<tr>
<td>4. return on equity (ROE)</td>
<td>(d) outstanding debtors</td>
</tr>
<tr>
<td>5. debtor</td>
<td>(e) training expenses, accounting fees, transport costs</td>
</tr>
<tr>
<td>6. creditor</td>
<td>(f) indicates the rate of return on total capital</td>
</tr>
<tr>
<td>7. period costs</td>
<td>(g) only apply to the use of scarce resources</td>
</tr>
<tr>
<td>8. indirect costs</td>
<td>(h) a person to whom the project owes money for goods supplied</td>
</tr>
<tr>
<td>9. opportunity costs</td>
<td>(i) building rent and overtime payments</td>
</tr>
<tr>
<td>10. bridging capital</td>
<td>(j) a person who owes the project money for goods / services sold to them</td>
</tr>
</tbody>
</table>
**SECTION B: SHORT QUESTIONS**

(10 MARKS)

**ANSWER ALL THE QUESTIONS**

**QUESTION 1**
Firms can make provision and protect themselves from risks by taking out insurance.

Identify three types of insurance. [3]

**QUESTION 2**

Name the two methods of assessing a risk. [2]

**QUESTION 3**

Name three methods you could use to decide whether to purchase an expensive machine. [3]

**QUESTION 4**

There are six main tasks of product procurement. Identify two of these tasks. [2] [10]
ANSWER BOTH QUESTIONS

QUESTION 1
Name and describe the various types of contract pricing. [10]

QUESTION 2
Discuss the limitations of project network techniques (PNTs). [10]

[20]
SECTION D: INTERPRETATIVE QUESTIONS (40 MARKS)

ANSWER ANY TWO OF THE QUESTIONS

QUESTION 1
Identify and discuss the principles of budgeting. [20]

AND / OR

QUESTION 2
Identify and discuss the eight aspects that must be considered when planning the start-up of a project. [20]

AND / OR

QUESTION 3
Identify and explain the steps to quality improvement. [20]

[40]

Section A: 30 marks
Section B: 10 marks
Section C: 20 marks
Section D: 40 marks
TOTAL: 100 MARKS