

Exam Questions for June 2018

CONTRACTS AND COMMERCIAL PRACTICE

ANSWER ONLY 1 OF THE QUESTIONS. You are allowed 4 attachments. 1 must be the front cover sheet.

Please state the form of contract you have chosen to answer this question.

Q1)

You are engaged as the Client's Project Manager for the Englemere Rehabilitation Centre.

Your client is risk adverse and wishes to be protected commercially and legally from any issues arising during the project and after its completion.

Prepare a report identifying the risks to which the client may be exposed in developing the project and discuss how these risks may be mitigated. (30marks)

OR

Q2)

You are a main contractor with an annual turnover of around £100m and have been invited to tender for the Englemere Rehabilitation Centre.

(a) Using a procurement arrangement option and a Form of Contract of your choice, which you must state, describe your tender process and associated documentation from receipt of tender documents to the submission of your tender. (15 marks)

(b) Describe the issues to be considered at the Tender Settlement Meeting for the project. (15 marks)

MANAGEMENT

ANSWER ONLY 1 QUESTION. You are allowed 4 attachments. 1 must be the front cover sheet.

Q1)

Make and state your own assumptions.

Part way through the construction of the development, certain sections of the work are behind schedule on the project programme.

a) From the perspective of the principal contractor, explain how delay analysis might be used to highlight the causes of delay. (10 marks)

b) Explain, by worked example, how project acceleration may be used for the development in order to bring the work back on target and avoid the project overrun. (20 marks)

OR

Q2

Explain, by example, how earned value management (EVM) may be used to monitor time and cost on the Rehabilitation Centre (30 Marks)

HEALTH, SAFETY AND THE ENVIRONMENT

ANSWER ONLY 1 QUESTION

You are allowed 4 attachments. 1 must be the front cover sheet.

Q1

An operative slips on a discarded mastic tube within the stairwell of the core house, resulting in a fractured arm.

Describe the emergency procedures the site manager needs to follow. Choose a scenario that would have led to the incident and produce a RIDDOR – (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013) report, including your recommendations to ensure it does not reoccur. (30 Marks)

OR

Q 2

- a) Identify the environmental issues on and adjacent to the site that you will need to address as the Site Manager for this project. (10 Marks)
- b) Describe in detail how you would manage FOUR of the most significant environmental issues. (20 marks)

CONSTRUCTION TECHNOLOGY

ANSWER ONLY 1 QUESTION

You are allowed 6 attachments. 1 must be the front cover sheet.

Q1

- a) Prepare an illustrated technical report that compares three viable methods of constructing and finishing the ground and upper floors of the building. (20marks)
- b) In your report, advise on one of the methods and justify your choice with reference to buildability and performance in use. (10 marks)

OR

Q2

Make and state your own assumptions

- a) Define the investigation works required to determine the remediation of the site. (10 marks)
- b) Evaluate the scope and develop a programme for the sequencing of the remediation work from the perspective of the specialist remediation contractor and the principal contractor. (20 marks)