

## Exam Questions for November 2015

### Contracts and Commercial Practice

#### Answer 1 of the following questions

- a) Identify the four most likely possible causes of delay to the Health Centre project. (10)
- b) Evaluate the contractual remedies for the clients and main contractors using a contract of your choice should the delays identified in a) arise (15)

OR

The main contractor seeks to transfer risk to the sub-contractors.

- a) Explain how the main contractor can achieve this with reference to the key work packages (10)
- b) Critically appraise the advantages and disadvantages of this risk management strategy from the perspective of the contractor. (15)

### Management

#### Answer 1 of the following questions

**Drawings may be hand drawn & scanned or produced with planning software. If using planning software a soft copy in whatever software is used and a PDF copy will be required**

- a) Prepare a construction programme of the single-storey extension for the day centre surgery treatment centre. (10)
- b) With a 3 week delay to the roof package caused by the late arrival of materials explain the measures that may be taken to minimise the delay and illustrate using a revised programme. (15)

OR

As the Project Manager of the Health Centre, with a new team, explain what measures you would implement to help build effective team relationships, over the whole project workforce and maintain high levels of motivation. (25)

## **Health, Safety and the Environment**

### **Answer 1 of the following questions**

**If using CDM regulations to answer your question, please state CDM 2007 or CDM2015**

- a) Prepare a Health and Safety risk register specifically for this project that identifies the hazards within the work to be undertaken and the appropriate mitigating measures. (25)

OR

- b) The Client has requested the Health Centre be as carbon neutral as possible. Evaluate the measures that can be implemented during the design and construction phases to achieve this (25)

## **Construction Technology**

### **Answer 1 of the following questions**

- a) Describe and illustrate the fire safety and protection measures that must be considered for incorporation in the design, layout and specification of materials and active systems for the project to ensure the highest possible standards of fire safety are achieved. (25)

OR

- b) As the contractor, prepare a brief report for the client that describes how the present condition of the property can be remediated, identifying the improvements that can be made to increase energy efficiency to Health Centre. (25)

**5 Attachments are allowed for the Construction Technology question.**