

CANDIDATE
NAME

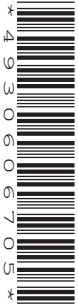
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CENTRE
NUMBER

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CANDIDATE
NUMBER

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BUSINESS

Paper 3 Case Study

9609/32

February/March 2018

3 hours

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page. If you need additional answer paper ask the invigilator for a continuation booklet.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Section A

Answer **all** questions.

Section B

Answer **one** question.

You are advised to spend no more than 40 minutes on Section B.

Refer to the Insert for the case study for this Paper.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **20** printed pages and **1** Insert.

- 4 (a) Refer to Table 3 below (reproduced from the insert) and the network diagram on the opposite page.

Table 3: Estimated times for activities for building and equipping the new factory

Activity		Duration (weeks)	Preceding activities
A	Plan new building and employ building contractor	8	None
B	Remove existing building	2	A
C	Clear and prepare the site	1	B
D	Deliver building materials to site	1	A
E	Complete building work	4	C, D
F	Connect water supply and electricity	2	E
G	Install machinery	3	E
H	Recruit new workforce	4	A
J	Train workforce on site	1	F, G, H.

- (i) Calculate and enter on the network diagram the earliest start time (EST) and latest finish time (LFT) for each activity. [7]
- (ii) Identify on the network diagram the critical path. [1]

You may use the space below to show any workings, if needed.

