External Assessment 2021

Attach your candidate label here

COMPUTER SCIENCE

ITC315118

Section **A**

Pages	12
Questions	3
Information sheet	1

Reading time: 15 minutes – you may begin writing during this time

Suggested working time: 36 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.
- Write your answers in the spaces provided in this exam paper.
- Take care with presentation of answers and use **complete sentences** for questions needing explanations.
- **Show all working out** used in deriving answers and **use diagrams** where appropriate.
  - o **Extra space for answering** is at the end of this booklet. If used, you **must** indicate you have done so next to the relevant question.
- All answers must be written in **English**.

- You **must** make sure your answers address:
  - o Criterion 1   design, extend and improve algorithmic solutions to a range of problems.

Marks	
C1	**A+ to z rating**

Guide to Exam Structure

	Questions available	How many questions to answer	Suggested working time	Final mark
Section **A**	3	3	36 minutes	All criteria are assessed using extended ratings of A+ to z
Section **B**	3	3	36 minutes	
Section **C**	3	3	36 minutes	
Section **D**	3	3	36 minutes	
Section **E**	3	3	36 minutes	
Totals	**15**	**15**	**180 minutes (3 hours)**	

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Section **B**

Pages	16
Questions	3
Information sheet	1

Suggested working time: 36 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.

- Write your answers in the spaces provided in this exam paper.

- Take care with presentation of answers and use complete sentences for questions needing explanations.

- **Show all working out** used in deriving answers and **use diagrams** where appropriate.

  - o **Extra space for answering** is at the end of this booklet. If used, you **must** indicate you have done so next to the relevant question.

- All answers must be written in **English**.

- You **must** make sure your answers address:

  - o Criterion 2   create programs in a high level programming language.

Marks	
C2	A+ to z rating

Guide to Exam Structure

		Questions available	How many questions to answer	Suggested working time	Final mark
Section	A	3	3	36 minutes	
Section	B	3	3	36 minutes	All criteria are assessed using extended ratings of A+ to z
Section	C	3	3	36 minutes	
Section	D	3	3	36 minutes	
Section	E	3	3	36 minutes	
Totals		15	15	180 minutes (3 hours)	

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Section **C**

Pages	16
Questions	3
Information sheet	1

Suggested working time: 36 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.

- Write your answers in the spaces provided in this exam paper.

- Take care with presentation of answers and use complete sentences for questions needing explanations.

- **Show all working out** used in deriving answers and **use diagrams** where appropriate.

   o **Extra space for answering** is at the end of this booklet. If used, you **must** indicate you have done so next to the relevant question.

- All answers must be written in **English**.

- You **must** make sure your answers address:

   o Criterion 3   use appropriate objects in the design of programs.

Marks	
	A+ to z rating
C3	

Guide to Exam Structure

		Questions available	How many questions to answer	Suggested working time	Final mark
Section	A	3	3	36 minutes	All criteria are assessed using extended ratings of A+ to z
Section	B	3	3	36 minutes	
Section	C	3	3	36 minutes	
Section	D	3	3	36 minutes	
Section	E	3	3	36 minutes	
Totals		15	15	180 minutes (3 hours)	

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Section D

Suggested working time: 36 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.

- Write your answers in the spaces provided in this exam paper.

- Take care with presentation of answers and use complete sentences for questions needing explanations.

- **Show all working out** used in deriving answers and **use diagrams** where appropriate.

  o **Extra space for answering** is at the end of this booklet. If used, you **must** indicate you have done so next to the relevant question.

- All answers must be written in **English**.

- You **must** make sure your answers address:

  o Criterion 4   describe and apply knowledge of computer architecture.

Marks	
C4	**A+ to z rating**

Guide to Exam Structure

		Questions available	How many questions to answer	Suggested working time	Final mark
Section	A	3	3	36 minutes	All criteria are assessed using extended ratings of A+ to z
Section	B	3	3	36 minutes	
Section	C	3	3	36 minutes	
Section	D	3	3	36 minutes	
Section	E	3	3	36 minutes	
Totals		15	15	180 minutes (3 hours)	

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Section E

Pages	12
Questions	3
Information sheet	1

Suggested working time: 36 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.
- Write your answers in the spaces provided in this exam paper.
- Take care with presentation of answers and use complete sentences for questions needing explanations.
- **Show all working out** used in deriving answers and **use diagrams** where appropriate.
    - **Extra space for answering** is at the end of this booklet. If used, you **must** indicate you have done so next to the relevant question.
- All answers must be written in **English**.

- You **must** make sure your answers address:
    - Criterion 5   analyse how data are represented and stored.

Marks	
C5	**A+ to z rating**

Guide to Exam Structure

		Questions available	How many questions to answer	Suggested working time	Final mark
Section	A	3	3	36 minutes	All criteria are assessed using extended ratings of A+ to z
Section	B	3	3	36 minutes	
Section	C	3	3	36 minutes	
Section	D	3	3	36 minutes	
Section	E	3	3	36 minutes	
Totals		**15**	**15**	**180 minutes (3 hours)**	