

FORM TP 2015222



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MAY/JUNE 2015

**CARIBBEAN EXAMINATIONS COUNCIL**  
**CARIBBEAN ADVANCED PROFICIENCY EXAMINATION®**  
**INFORMATION TECHNOLOGY**

**UNIT 1 – Paper 032**

*1 hour 30 minutes*

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY.**

1. This paper consists of **THREE** questions.
2. Answer **ALL** questions.
3. Write your answers in the spaces provided in this booklet.
4. Do **NOT** write in the margins.
5. If you need to rewrite any answer and there is not enough space to do so on the original page, you must use the extra lined page(s) provided at the back of this booklet. **Remember to draw a line through your original answer.**
6. **If you use the extra page(s) you MUST write the question number clearly in the box provided at the top of the extra page(s) and, where relevant, include the question part beside the answer.**

**DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.**

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**Answer ALL questions.**

1. With reference to a problem which you have researched, answer the following questions.

(a) Write a description of the problem you have researched.

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**[2 marks]**

(b) Discuss any TWO causes of the problem described in (a).

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**[4 marks]**

(c) Defining the problem and identification of possible solutions are two steps in the problem-solving process. Explain ONE **other** step in the problem-solving process.

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**[2 marks]**

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(d) For EACH scenario below, identify the **most appropriate** data gathering instrument. Justify your choice of EACH instrument.

(i) You require feedback from five managers on the limitations of the current manual system.

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[2 marks]

(ii) You need the answers to 15 questions, intended to gather quantitative data from 100 users in a single company.

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[2 marks]

(iii) You wish to see how users interact with the current system on a day-to-day basis.

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[2 marks]

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(e) For EACH of the three instruments identified in (d), outline ONE limitation which you should consider.

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[6 marks]

Total 20 marks

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(c) You were unable to implement the most feasible solution due to some unforeseen circumstances and must select one of the remaining alternative solutions.

(i) State which of the remaining solutions you would select.

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[1 mark]

(ii) Justify your selection of the alternative.

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[4 marks]

(iii) Explain ONE disadvantage of using this alternative rather than the solution selected in 3 (a) and specify a means of compensating.

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[4 marks]

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- (d) Your teacher has asked you to make a presentation to the class of your entire problem-solving process. State the MOST appropriate type of application software to accomplish this. **Justify your choice of software.**

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[2 marks]

**Total 20 marks**

**END OF TEST**

**IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST.**



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