



G.C.E. (A/L) PRACTICE TEST- 2017

Grade 13

Information & Communication Technology II

3 hours

Part A

Read the questions carefully. Questions in part A is compulsory.

1. i. Nayana purchased a wrist watch through a web site. She used her credit card to pay for it. Explain the e commerce type mentioned in the above example.

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- ii. When Nayana told the way she obtained the wrist watch, her friend Gayani informed her that the transaction she used was insecure. Give two reasons to support Gayani.

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- iii. Mention a secure way of carrying out a transaction similar to the above incident.

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- iv. State two advantages of advertising using a website.

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2. i. Consider the following HTML code segment.

```
<body>
  <h2>Welcome!</h2>
  <p>Learning HTML is fun</p>
</body>
```

Write the internal styles required to apply the following styles for the elements in the above code segment.

Element	property	style
h2	colour	blue
	text	centre aligned
p	font	Comic Sans, 20pt, red

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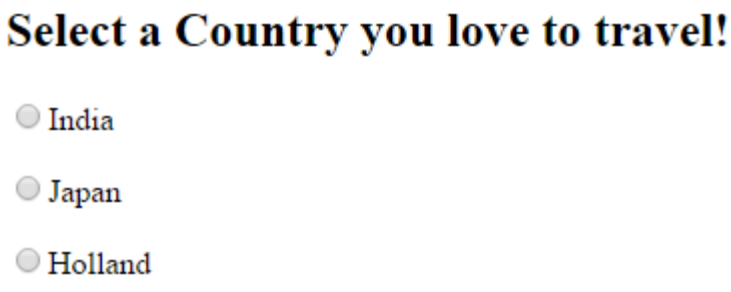
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ii. Consider the following output rendered by a web browser.



Write the HTML code segment to render the above output.

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< form method=
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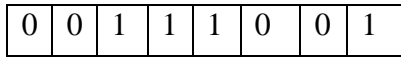
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```
< /form>
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3. i. The following diagram represents a decimal number in BCD format.



a. What is the decimal number represented by the diagram?

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b. Show how -26 is added to the above decimal number using Twos' complement method. Show your calculations clearly.

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ii. Explain how the following relationships are represented in ER model with suitable examples.

a. One to many

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b. Many to many

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4. i. Write down the correct output for the given code segment.

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list1 = ["monkey", "donkey", "cat", "rat", "deer", "rabbit", "elephant", "cow"]
print list1
print list1[0]
print list1[1]
print list1[-1]
print list1[-2]
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ii. A student says 0,1,2,4,5,6 is the correct output for the given Python code segment. Do you agree with the student? If not write down the correct output.

```
for i in range(2):
    print i

for i in range(4, 6):
    print i
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iii. Write down the output for the given code segment.

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prefixes = "JLMNPR"
suffix = "ack"

for letter in prefixes:
    print letter + suffix
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