SECTION I

THEORY - 60 marks

Answer ALL questions.

1. (a) The following are devices used with computers.

<table>
<thead>
<tr>
<th>Keyboard</th>
<th>Plotter</th>
<th>Light pen</th>
<th>Optical character reader</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inkjet</td>
<td>Speaker</td>
<td>Microfilm</td>
<td>Headphones</td>
</tr>
</tbody>
</table>

From the table above, list

(i) the input devices

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(iii) the devices that are printers.

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(3 marks)

(2 marks)
(b) Consider the file structure below that contains folders and files on a device, and answer the questions that follow.

```
C:SBA
  \|-- WP
    \|-- SS
    \|-- DB
    \|-- FINISHED
```

(i) State the name of a folder found in SBA.

(ii) Write the path required to locate PR.

(iii) State the number of files that would be located in FINISHED, if PR was copied to SBA.

Total 10 marks
4. (a) Identify the security measure and the type of restriction, software (S) or physical access (P), represented by EACH image in the following table.

<table>
<thead>
<tr>
<th>Image</th>
<th>Security Measure</th>
<th>Type of Restriction: Software (S)/Physical Access (P)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(6 marks)

(b) Explain the purpose of EACH of the following security procedures:

(i) Archiving

(ii) Recovery

(2 marks)

(2 marks)

Total 10 marks
SECTION III

PROBLEM SOLVING AND PROGRAMMING – 45 marks

Answer ALL questions.

9. Romario can add money to his mobile phone by entering a specific code via a text message. The instructions are entered using the format below. Answer the questions based on the instructions below.

<table>
<thead>
<tr>
<th>AD</th>
<th>Code To Add Dollars</th>
<th>Amount of money from $20 to $50</th>
<th>3-digit area code and 7-digit mobile number</th>
<th>Personal Security Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>99</td>
<td>9999999999</td>
<td>0945</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) (i) Identify the error in the following code:

AD 40 87662509 0945

(1 mark)

(ii) Name the process that locates and fixes errors in the code.

(1 mark)

(b) Complete the table below to show whether the message will be accepted or not accepted for EACH of the following options.

<table>
<thead>
<tr>
<th>Money</th>
<th>Security Number</th>
<th>Accepted? Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>0945</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>945</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>0945</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>945</td>
<td></td>
</tr>
</tbody>
</table>

(4 marks)
(c) Draw a flowchart, including START and STOP symbols, to illustrate the following:

- Input SCODE
- If SCODE is equal to 0945
- Then add money to the phone
- Otherwise Output ‘ERROR – Code Incorrect’