

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International Diploma Advanced Level

MARK SCHEME for the 2005 question paper

CAMBRIDGE INTERNATIONAL DIPLOMA IN ICT

5206 Website Programming, maximum mark 100

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All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

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UNIVERSITY of CAMBRIDGE
International Examinations

2005

CAMBRIDGE INTERNATIONAL DIPLOMA

Advanced Level

MARK SCHEME

MAXIMUM MARK: 100

PAPER: 5206/A

ICT (Website Programming)

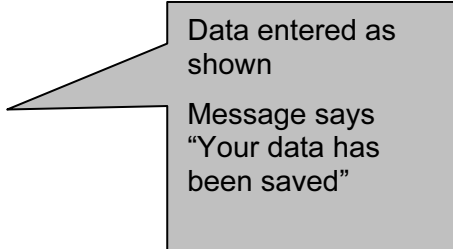


UNIVERSITY of CAMBRIDGE
International Examinations

Page 1	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/A

City of Tawara Beach Transport Department

Registration: M123BC
email: ericjones82@mailbox.com.ta
engine size: 1
LPG:yes
Area: Blackall

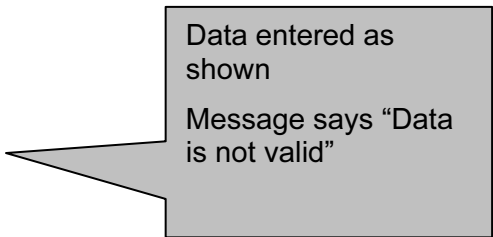


Data entered as shown
Message says "Your data has been saved"

Your data has been saved

City of Tawara Beach Transport Department

Registration: MPQ123
email: david.angel@postbox.ta
engine size: 1
LPG:yes
Area: Tambo



Data entered as shown
Message says "Data is not valid"

Data is not valid

Page 2	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/A

City of Tawara Beach Transport Department

Registration	email	enginesize	area
M110FC	RAmor@hotmail.com.ta	1	Dirranbandi
A708LN	TBenson@hotmail.com.ta	1	Tambo
A601CW	OEgan@hotmail.com.ta	1	Dirranbandi
P303ZX	AnilMelw@yahoo.com.ta	1	Blackall
A659TA	Jonathan.Townrow@postbox.com.ta	1	Yalleroi
A948YC	Toby.Astor@postbox.com.ta	1	Blackall
A913UH	Gurbir.Anand@postbox.com.ta	1	Dirranbandi
P756ER	Nicholas.Armstrong@postbox.com.ta	1	Tambo
A656UN	Edward.Blyth@postbox.com.ta	1	Tambo
A926MY	JA95827@aol.com.ta	1	Blackall
A351VY	TB82506@aol.com.ta	1	Yalleroi
M550DI	VG91298@aol.com.ta	1	Yalleroi
P829YB	FJ33845@aol.com.ta	1	Blackall
A344HI	AM85533@aol.com.ta	1	Blackall
M682RC	NN93558@aol.com.ta	1	Tambo
A608NL	DO81014@aol.com.ta	1	Yalleroi
A569XE	GS93827@aol.com.ta	1	Tambo
A154KC	TA82658@aol.com.ta	1	Yalleroi
M505SF	JC62322@aol.com.ta	1	Tambo
M885OP	MC93968@aol.com.ta	1	Yalleroi
M123BC	ericjones82@mailbox.com.ta	1	Blackall

List as
shown

- includes
record
"M123BC"

- does not
include
record
MPQ123

Page 3	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/A

Printout at step 9

```

<head>
  <title>Tawara Beach VA</title>
</head>
<body>
  <h1>City of Tawara Beach Transport Department</h1>
  <P>Please fill in the information below:</P>
  <form action="savedata.asp" method=post>
    <p>Car Registration:<input name="registration"></p>
    <p>email address: <input name="email"></p>
    <table>
      <tr>
        <td>Engine Size:</td>
        <td>Less than 1000cc<input type="radio" name="enginesize" ID="Radio1"
VALUE="1"></td>
        <td>Over 1000cc<input type="radio" name="enginesize" ID="Radio2"
VALUE="2"></td>
        <td>Tick this box if your car runs on LPG<input type="checkbox"
name="LPG" value="yes"></td>
      </tr>
    </table>
    <p>Area of city:<br>
      <select size="4" name="Area">
        <OPTION value="Blackall" selected>Blackall</OPTION>
        <OPTION value="Dirrabandi">Dirrabandi</OPTION>
        <OPTION value="Tambo">Tambo</OPTION>
        <OPTION value="Yalleroi">Yalleroi</OPTION>
      </select></p>
    <input type="submit" value="Submit">
  </form>
</body>
</html>

```

Must have a form calling a processing page

Page 4	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/A

```

<head>
<title>Tawara Beach VA</title>
</head>
<body>
    <h1>City of Tawara Beach Transport Department</h1>
    <%
registration=request.form("registration")
email=request.form("email")
enginesize=request.form("enginesize")
lpg=request.form("lpg")
if lpg<>"yes" then LPG="no"
area=request.form("area")
char1=ucase(left(registration,1))
response.write "Registration: " & registration & "<br>"
response.write "email: " & email & "<br>"
response.write "engine size: " & enginesize & "<br>"
response.write "LPG:" & LPG & "<br>"
response.write "Area: " & area & "<br>"

if char1<>"A" and char1<>"M" and char1<>"P" then bRegIsBad
char234=mid(registration,2,3)
if not(isnumeric(char234)) then bRegIsBad=true
if bRegIsBad then
    response.write "<h2>Data is not valid</h2>"
else
    sConn="Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=c:\work\cie\assessments\advanced\2005\5206\seta\worked.mdb"
    set oConn=server.CreateObject("adodb.connection")
    set oRs=server.CreateObject("adodb.recordset")
    oConn.Open sConn
    sSQL="insert into awpa5car values('" & registration & "','" & email & "','"
& enginesize & "','" & lpg & "','" & area & "'"")"
    ors.open sSQL, oConn
    response.write "<h2>Data saved</h2>"
end if
%>
</body>
</html>

```

Check 1st char is A M P
May be evidenced by printout of validation rules from database or any other suitable checks.

Check for 3 digits
May be evidenced by printout of input masks from database or any other suitable checks.

Write error message

Write data to database and message to screen

2005

CAMBRIDGE INTERNATIONAL DIPLOMA
Advanced Level

MARK SCHEME

MAXIMUM MARK: 100

PAPER: 5206/B

ICT (Website Programming)

Page 1	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/B

City of Tawara Beach Transport Department

Name: Johnny Hall

Phone: (187) 219 8876

Offering: 0

Charging: no

Location: Mackay

Data as shown

Data saved – message shows “Your data has been saved”

Your data has been saved

City of Tawara Beach Transport Department

Name: Blaine Harris

Phone: (50) 987 1342

Offering: 0

Charging: no

Location: Bundaberg

Data as shown

Data not saved – message shows “not valid”

Data is not valid

Page 2	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/B

City of Tawara Beach Transport Department

Name	Phone	Location
Murtaza Ahmed	(915) 537 5374	Townsville
Yasin Yusuf	(723) 586 4223	Bundaberg
Sachin Bhudia	(723) 438 1804	Bundaberg
Donna Roswell-Meade	(873) 719 5043	Mackay
Louisa Xavier-Pinnock	(915) 504 8389	Townsville
Josie Douglas	(915) 924 7358	Townsville
Terry Millson	(915) 499 7226	Townsville
Ravi Haria	(915) 952 6337	Townsville
Hamit Halili	(208) 686 6196	Rockhampton
Michael Turner	(723) 168 9803	Bundaberg
Samreen Khokar	(873) 975 9900	Mackay
Phelim Lennon	(915) 511 6084	Townsville
Amjad Butt	(873) 592 1664	Mackay
Simi Daka	(915) 362 1292	Townsville
Yacov Sinvani	(208) 653 1255	Rockhampton
Daniela Krantz	(915) 961 9372	Townsville
Hema Bhudia	(915) 469 8629	Townsville
Mohammed Duale	(208) 930 8978	Rockhampton
Feroza Turk	(915) 415 2294	Townsville
Johnny Hall	(187) 219 8876	Mackay

Records as shown.

Should include Johnny Hall but exclude Blaine Harris

Page 3	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/B

Printout at stage 9

```

<head>
  <title>Tawara Beach VB</title>
</head>
<body>
  <h1>
    Tawara Beach Ride Sharing</h1>
  <P>If you can either offer a lift or want a lift then complete the
  form:</P>
  <form action="savedata.asp" method="post">
    <P>Name:</P>
    <P><input name="name"></P>
    <P>Contact Phone (eg (912) 134 8817 - please include area code and
    spaces):</P>
    <P><input name="phone"></P>
    <table>
      <tr>
        <td>Are you:</td>
        <td>Offering a ride<input type="radio" name="offering" ID="Radio1"
        VALUE="1"></td>
        <td>Wanting a ride:<input type="radio" name="offering" ID="Radio2"
        VALUE="0"></td>
        <td>
          Charging?<input type="checkbox" name="charging"
          value="yes"></td>
      </tr>
    </table>
    <p>
      Location:<br>
      <select size="4" name="location" id="Select1">
        <OPTION value="Townsville" selected>Townsville</OPTION>
        <OPTION value="Mackay">Mackay</OPTION>
        <OPTION value="Rockhampton">Rockhampton</OPTION>
        <OPTION value="Bundaberg">Bundaberg</OPTION>
      </select></p>
      <input type="submit" value="Submit">
    </form>
  </body>

```

HTML must contain a form which calls a processing page

Page 4	Mark Scheme	Syllabus
	CAMBRIDGE INTERNATIONAL DIPLOMA – 2005	5206/B

<head>

<title>Tawara Beach VB</title>

</head>

<body>

<h1>City of Tawara Beach Transport Department</h1>

<%

name=request.form("name")

phone=request.form("phone")

offering=request.form("offering")

charging=request.form("charging")

if charging<>"yes" then charging="no"

location=request.form("location")

response.write "Name: " & name & "
"

response.write "Phone: " & phone & "
"

response.write "Offering: " & offering & "
"

response.write "Charging: " & charging & "
"

response.write "Location: " & location & "
"

if len(phone)<>14 then bPhoneIsBad=true

if mid(phone,1,1)<>"(" or mid(phone,5,1)<>")" then bPhoneIsBad=true

if bPhoneIsBad then

response.write "<h2>Data is not valid</h2>"

else

sConn="Provider=Microsoft.Jet.OLEDB.4.0;Data

Source=c:\work\cie\assessments\advanced\2005\5206\setb\worked.mdb

set oConn=server.CreateObject("adodb.connection")

set oRs=server.CreateObject("adodb.recordset")

oConn.Open sConn

sSQL="insert into awpb5rid values('" & name & "', '" & phone

offering & "', '" & charging & "', '" & location & "')"

ors.open sSQL, oConn

response.write "<h2>Data saved</h2>"

end if

%>

</body>

</html>

Check length of phone number is 14 characters

Check for (at position 1 and) at position 5

Flag error

Save data

Show confirmation

May be evidenced by printout of any other suitable checks.