

# Mark Scheme (Results)

## January 2011

GCSE

GCSE Applied Information and Communication  
Technology

(5331) Paper 01 - ICT Tools and Applications

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January 2011

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## Activity 1: Using Desktop Publishing Software

DP1

	<p>Smarts Leisure Park</p> <p>Smarts Fun Run</p>  <p>Sunday 24 April 2011 – 2.30 pm</p> <ul style="list-style-type: none"> <li>• 10 miles round Smarts Leisure Park</li> <li>• In support of children's charities</li> <li>• Special 1 mile walk for under 10s round nature trail</li> </ul> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 10px;"> <div style="font-size: 8px;"> <p>Caitlin Dineavon Manager of Smarts Leisure Park caitlin.dineavon@smartsleisure.co.uk 01244 548322</p> </div> <div style="font-size: 8px; text-align: right;">   <p>Smarts Leisure Park Little Stanley Nr Southampton SP92 6JX</p> </div> </div>	
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Task	Answer	Mark
1	Attempt at Smarts Leisure Park at top of page. Allow use of logo rather than text.	1
2	"Smarts Leisure Park" entered. Caps as given.	1
3	"Smarts Fun Run" entered. Caps as given.	1
4	Smarts Leisure Park and Smarts Fun Run centred and ordered, above other items on page	1
5	Suitable picture from GRAPHICS file inserted in poster. Accept Running, Runners, Shoe, Joggers, Run for Fun.	1
6	Picture suitable size and centred between left and right margins - approx 9 x 6 or more.	1
7	Date and time entered correctly without labels on one or two lines.	1
8	Date and time entered below picture and above other information.	1
9	3 suitable items only entered below Date and Time. Do not accept "Concert ...", "No smoking ...", "Snowboarding ...".	1
10	Bullets used for items entered.	1
11	Caitlin's name and contact information entered as given (may include labels)	1
12	Caitlin's name and contact details entered in bottom left corner	1
13	Smarts Leisure Park logo and address entered as given. (Smarts Leisure Park), Little Stanley, Nr Southampton, SP92 6JX (Logo may have missing border). Do not accept phone and email details.	1
14	Logo and address entered in bottom right corner.	1
15	Sensible font sizes used for poster. Size of text down to boxes - at least same as "Applied ICT" on Cover Sheet. Headings at least as big as Edexcel GCSE on Cover Sheet. No WordArt.	1
16	Fitness for purpose. All of above and layout matches story board. Balanced spacing. Bullet information must be near centre of page. Good use of white space.	1
<b>Total for Task DP1</b>		<b>16</b>

## Activity 2: Using Database Software

DB1

RUNNERS							
RegNo	FName	LName	Age	Street	Town	PCode	Club
4	Mohammed	Dib	14	93 Butcher Lane	Southampton	SO32 7SD	S1
8	Jill	Lockyer	15	70 Moss Road	Gosport	ST3 9JK	P1
24	Charlotte	Harries	16	11 North Road	Portsmouth	SO12 7TH	P1
1	Christopher	Bancroft	17	410 Old Redmond Rd	Southampton	BA1 7HJ	S1
29	Frederick	Anderson	19	1 High Street	Meadowville	MV7 8RN	H1
15	Nicholas	Edwinson	22	16 Theatre Way	Portsmouth	BA2 7YG	P1
22	Julie	Stomp	24	15 Theatre Way	Hillyfields	EH54 3JJ	S1
26	Laura	Svansson	26	65 Obere St	Fawley	W3HT 2RF	H1
2	Anna	Banks	28	72 Moss Street	Portsmouth	ST3 7YG	P1
16	Matthew	Murray	29	44 Theatre Street	Brockenhurst	E12W 6TY	B1
27	Ruth	Parker	30	24 Haggis Ave	Nursling	M10 5TH	S1
20	Emma	Donnegan-Cross	31	88 Capital Way	Fawley	M23 6TH	H1
25	Rebecca	Domegan	32	175 Garrett Hill	Midanbury	BA2 2KI	S1
6	Emma	Gold	35	15 North Road	Hythe	SO22 6YY	H1
14	Sofia	Svensson	36	91 Capital Way	Hythe	SO10 9HK	H1
5	Elizabeth	Finch-Williams	37	20 Theatre Way	Netley	BA4 7YY	N1
10	Noah	Parker-Smithson	39	44 Garrett Hill	Brockenhurst	SO21 6RF	B1
11	Philip	Reynaldson	42	244 Haggis Ave	Hound	W1CV 2HG	N1
28	Anna	Jones	43	90 Butcher Lane	Portsmouth	SO23 5TS	P1
21	Anna	Russell	45	314 Forster St	Brockenhurst	LS12 7TT	B1
7	Mingmei	Hulian	46	62 Moss Road	Horton Heath	LS13 2OJ	S2
18	Emily	Ellis	48	120 Hanover Sq	Southampton	EH55 2JX	S1
3	Connor	Carter	53	144 Candid Street	Hythe	EH52 6TG	H1
17	Isaac	Zalic	54	1 South Street	Fareham	W1FC 6TT	P1
12	Amarjit	Singh	64	59 Obere St	Tottom	W3TC 3RW	S1
23	Jennifer	White	65	19 Theatre Street	Netley	W1FC 6GT	N1
13	Pierre	Stevenson	66	34 Miner Rd	Hamble	BA1 4EW	N1

Task	Answer	Mark
1	Data entered as given. Check capitalisation and spelling	2/
2	Data entered as given but with errors in one field. (Or repeated error in capitalisation)	1
3	Table sorted in ascending order of AGE. No truncation of records or field names.	2/
4	Table sorted in descending order of AGE with no truncation of records or field names	1/
4	Table sorted in ascending order of AGE. Not all records or fields shown. (Minimum of 10 records and 3 fields including AGE)	1
<b>Total for Task DB1</b>		<b>4</b>

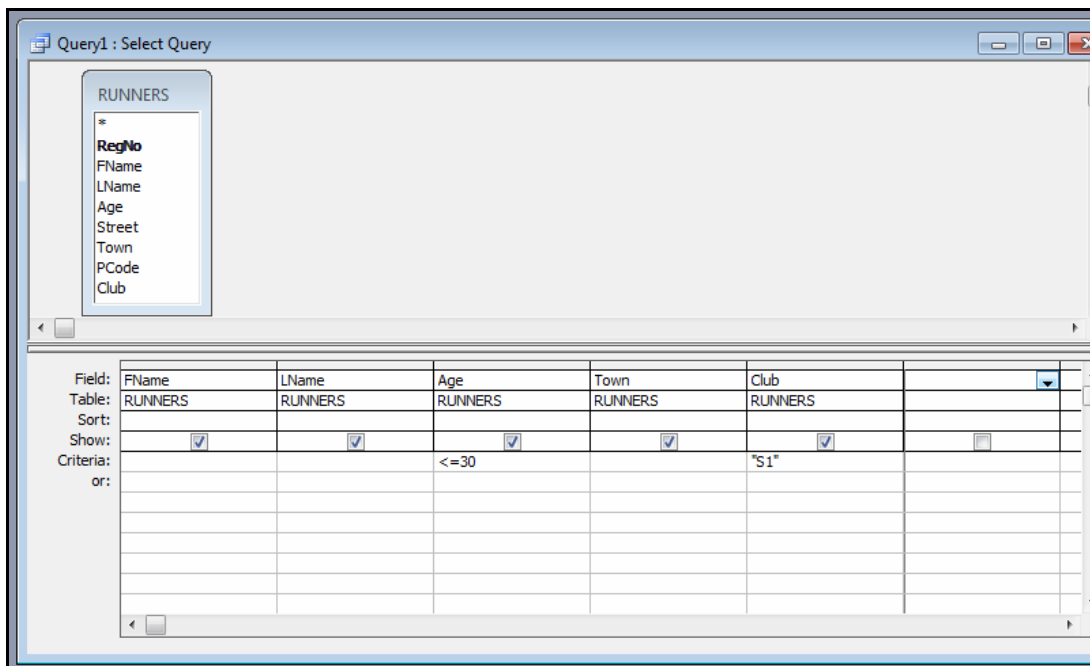
## Activity 2: Using Database Software

**DB2**

DB2							
RegNo	FName	LName	Age	Street	Town	PCode	Club
2	Anna	Banks	28	72 Moss Street	Portsmouth	ST3 7YG	P1
8	Jill	Lockyer	15	70 Moss Road	Gosport	ST3 9JK	P1
15	Nicholas	Edwinson	22	16 Theatre Way	Portsmouth	BA2 7YG	P1
17	Isaac	Zalic	54	1 South Street	Fareham	W1FC 6TT	P1
24	Charlotte	Harries	16	11 North Road	Portsmouth	SO12 7TH	P1
28	Anna	Jones	43	90 Butcher Lane	Portsmouth	SO23 5TS	P1

Task	Answer	Mark
1	Correct 6 records. Minimum of LName field.	1
2	All 8 fields displayed without truncation. Must be evidence of a search (i.e. not all records)	1
<b>Total for Task DB2</b>		<b>2</b>

**DB3** For marking points 3, 5 and 6 marks may be awarded from results.



Task	Answer	Mark
1	Screen shot of query design.	1
2	Screen shot shows all necessary columns and criteria areas. Minimum FName, LName, Age, Town, Club in any order.	1
3	S1 in criteria for CLUB	1
4	<=30 in criteria for AGE. Must see design view.	1
5	Both criteria showing as AND. Accept if correct 4 records in Results view.	1
6	Correct fields to be printed. FName, LName, Age, Town, Club in any order. No truncation.	1
<b>Total for Task DB3</b>		<b>6</b>

## Activity 2: Using Database Software

**DB4**    Must be a report produced using database software

### Runners from Southampton Central Club who are not more than 30 years old

First Name	Last Name	Age	Town
Christopher	Bancroft	17	Southampton
Mohammed	Dib	14	Southampton
Julie	Stomp	24	Hillyfields
Ruth	Parker	30	Nursling

Task	Answer	Mark
1	Suitable title for report. Must include Southampton Central Club and indication of correct age. Correct spelling and suitable capitals. Club may be lower case. Allow follow through from DB3.	1
2	Correct 4 records. Allow follow through provided not all records. No truncation.	1
3	Fields FName, LName, Age and Town only in correct order	1
4	Suitable customisation of LName and FName	1
5	Candidate name, Candidate number and Centre number, in page footer of database report.	1
6	Appropriate layout of columns and lines. (Suitable spacing between items). Fitness for purpose (all of above). Must have correct records.	1
<b>Total for Task DB4</b>		<b>6</b>

## Activity 2: Using Database Software

**DB5**

Task	Answer	Mark
1	Screen shot of data entry form showing title bar and navigation in data view.	1
2	Suitable title for data entry form - should include "runner". Do not accept just "Runners". Suitable capitalisation. Correct spelling.	1
3	All 8 fields present.	1
4	Field labels FName, LName and PCode customised appropriately	1
<b>Total for Task DB5</b>		<b>4</b>

**DB6** Marks can be awarded from design view

DB6					
FName	LName	Age	ClubName	Trainer	Phone
Christopher	Bancroft	17	Southampton Central	Jaclyn James	09223 383838
Mohammed	Dib	14	Southampton Central	Jaclyn James	09223 383838
Jill	Lockyer	15	Portsmouth	Alan Franks	09933 636363
Charlotte	Harries	16	Portsmouth	Alan Franks	09933 636363

Task	Answer	Mark
1	Correct 4 records (or <18 in design view)	1
2	At least one field from each table (One of FName, LName and Age AND one of ClubName, Trainer, Phone).	1
3	Correct 6 fields FName, LName, Age, ClubName, Trainer, Phone only. No truncation.	1
4	Correct order of fields (as given above)	1
<b>Total for Task DB6</b>		<b>4</b>

**Total for Activity 2: 26 marks**

### Activity 3: Using Word Processing Software

WP1

Marking points 1 - 8 may be awarded from WP1 or WP2 if no merge fields shown. Must have at least one merge field for marking points 9 - 13.



Task	Answer	Mark
1	Letterhead template as given used for letter.	1
2	Date: 10 - 14 January 2011. Must have year. Any acceptable UK format. Do not accept TH format eg 11 <sup>TH</sup> Ignore day if correct	1
3	Date entered below letterhead and above text of letter, left or right aligned. No other text on same line. One blank line space above and below date if text is aligned similarly	1
4	Attempt at single recipient details, top or bottom, left only.	1
5	Text of letter copied from DRAFT data file. Penalise if "Draft" included.	1
6	Yours sincerely as complimentary close below text of letter	1
7	Caitlin Donavon, Manager (of) Smarts Leisure (Park) below "Yours sincerely". Must have space for signature between "Yours sincerely" and "Caitlin Donavon"  Suitably spaced.	1
8	Inclusion of suitable subject in appropriate location. Do not accept "Subject: ... ."	1
9	Any 2 merge fields from SPONSORS spreadsheet in address and salutation. Accept Address block/Greeting line provided that WP2 shows use of two fields	1
10	Address «Title» «Firstname» «Lastname» «Company» «Address1» «Address2» «PCode» Correct use of merge fields. Check WP2 if Address block used. Check for spaces	1
11	Dear «Title» «Lastname» - check that brackets are removed and space left after Dear and between «Title» and «Lastname»	1
12	Consistent font and style for letter. Allow enhancements for subject line if	1



	present.	
13	Overall fitness for purpose (all above plus no unnecessary info).	1
Total for Task WP1		13

### Activity 3: Using Word Processing Software

**WP2** Any editing changes to WP1 gains zero marks for task WP2.




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10 January 2011

Mr Jake Rix  
Rix Biscuits  
6 Sallis Crescent  
Moundown  
SO86 2NG

Dear Mr Rix

Smarts Leisure Park is delighted to announce that we are holding a Sponsored Fun Run to support local children's charities. The event will take place on Sunday 24 April 2011 starting at 2:30. The run will follow a 10 mile route around the Leisure Park. We already have over 100 entrants with ages ranging from 14 to 66. We will also be holding a younger person's event with a 1 mile walk around the nature trail at Smarts Leisure Park. This will be open to children under 10.

We already have a number of local organisations who have indicated their willingness to support this activity. Some have offered to donate prizes and free gifts for the participants. We have so far received offers of support with the following prizes:

- Free weekend family pass to Smarts Leisure Park donated by Max Smarts
- 30 minute flight for two over the south coast
- Family meal for two adults and two children at Onion Café restaurant

I am writing to ask you whether you would be willing to support this activity. Any help you can give would be gratefully received and would go to support local children. Work currently being supported by these local charities includes helping bereaved children by providing holidays and days out.

Yours sincerely

Caitlin Donavan  
Manager – Smarts Leisure Park

Task	Answer	Mark
1	Successful mailmerge of their WP1 with SPONSORS spreadsheet.	2/0
2	Accept changes to task details only.	
3	One mail-merged letter only submitted	1
Total for Task WP2		3
Total for Activity 3: 16 marks		

## Activity 4: Using Spreadsheet Software

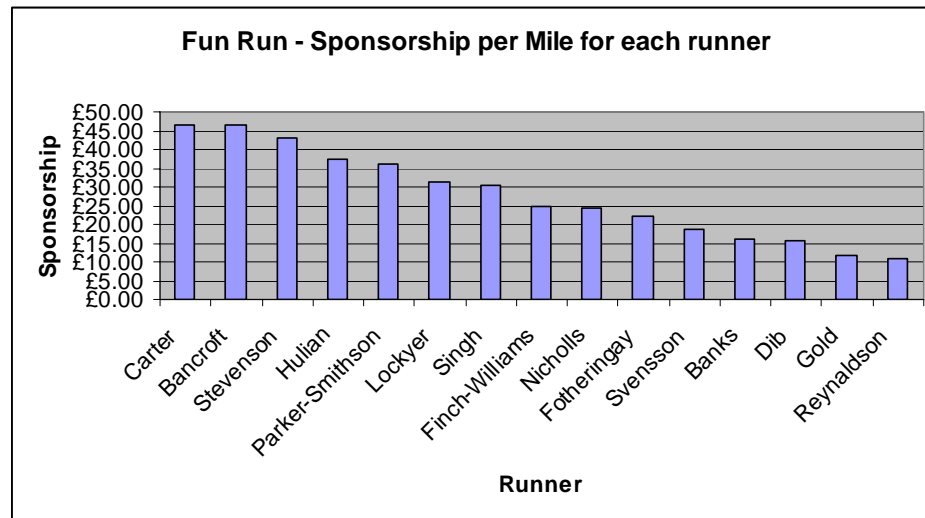
SP1

	A	B	C	D	E	F	G	H
1	<b>SMARTS LEISURE 10 MILE FUN RUN</b>							
2								
3	<b>Forename</b>	<b>Last Name</b>	<b>Age</b>	<b>Miles Completed</b>	<b>Sponsorship per Mile</b>	<b>Income</b>	<b>Bonus</b>	<b>Total Income</b>
4	Connor	Carter	29	10	£46.67			
5	Christopher	Bancroft	17	9	£46.47			
6	Pierre	Stevenson	66	8	£43.00			
7	Mingmei	Hulian	46	5	£37.23			
8	Noah	Parker-Smithson	39	10	£35.96			
9	Jill	Lockyer	15	7	£31.44			
10	Amarjit	Singh	64	8	£30.59			
11	Elizabeth	Finch-Williams	37	10	£24.65			
12	Joanne	Nicholls	23	5	£24.50			
13	<b>Christopher</b>	<b>Fotheringay</b>	<b>27</b>	<b>8</b>	<b>£22.17</b>			
14	Sofia	Svensson	36	10	£18.88			
15	Anna	Banks	25	10	£16.00			
16	Mohammed	Dib	19	5	£15.70			
17	Emma	Gold	35	10	£11.93			
18	Philip	Reynaldson	42	7	£11.08			
19								
20	<b>Totals</b>							

Task	Answer	Mark
1	Row inserted (check for blank line between data and Total)	1
2	Data entered as given /	2/ 1
3	Data entered with error in one cell £22.17 may be in wrong cell due to sorting.	
4	Appropriate borders <b>and</b> shading.	1
5	Column E formatted to show £ and 2 dp.	1
6	Column E sorted in descending order.	1
7	Whole table of data sorted on column E. No truncation.	1
<b>Total for Task SP1</b>		<b>7</b>

## Activity 4: Using Spreadsheet Software

SP2



Task	Answer	Mark
1	Bar chart of correct data produced.	1
2	Suitable title for graph including "Fun Run" and "Sponsorship". Suitable capitals and spelling.	1
3	Suitable axis labels. E.g Runners and Sponsorship. Correct spelling and consistent capitals.	1
4	All Last Names displayed as category labels. No truncation.	1
5	Legend not displayed.	1
6	Graph printed to fill one A4 landscape sheet. No unnecessary information.	1
<b>Total for Task SP2</b>		<b>6</b>

### Activity 4: Using Spreadsheet Software

**SP3** Marking points 1, 2, 3, 4 & 6 awarded only if row and column headings displayed

	A	B	F
1	SMARTS LEISURE 10 MILE FUN RUN		
2			
3	Forename	Last Name	Income
4	Connor	Carter	=D4*E4
5	Christopher	Bancroft	=D5*E5
6	Pierre	Stevenson	=D6*E6
7	Mingmei	Hulian	=D7*E7
8	Noah	Parker-Smithson	=D8*E8
9	Jill	Lockyer	=D9*E9
10	Amarjit	Singh	=D10*E10
11	Elizabeth	Finch-Williams	=D11*E11
12	Joanne	Nicholls	=D12*E12
13	Christopher	Fotheringay	=D13*E13
14	Sofia	Svensson	=D14*E14
15	Anna	Banks	=D15*E15
16	Mohammed	Dib	=D16*E16
17	Emma	Gold	=D17*E17
18	Philip	Reynaldson	=D18*E18
19			
20	<b>Totals</b>		=SUM(F4:F18)

Task	Answer	Mark
1	=D4*E4 entered in cell F4	2/ 1
2	=SUM(D4*E4) [or other formula which works using appropriate cell references] entered in cell F4	
3	Formulae replicated to cells F5 to F18 (or F17 if new row not inserted)	1
4	=SUM(F4:F18) entered in F20 [or =SUM(F4:F17) if new row not inserted]	1
5	Formula view with no truncation of information	1
6	Columns A, B & F only printed on one A4 sheet. May be in data view (No truncation).	1
<b>Total for Task SP3</b>		<b>6</b>

### Activity 4: Using Spreadsheet Software

SP4

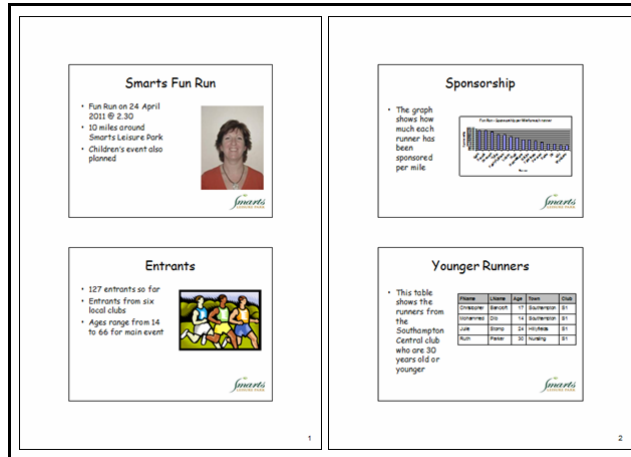
Marks 1 - 6 awarded only if row and column headings displayed. Must be in formula view for any marks.

	A	B	C	D	E	F	G	H
1	SMARTS LEISURE 10 MILE FUN RUN							
2								
3	<b>Forename</b>	<b>Last Name</b>	<b>Age</b>	<b>Miles Completed</b>	<b>Sponsorship per Mile</b>	<b>Income</b>	<b>Bonus</b>	<b>Total Income</b>
4	Connor	Carter	29	10	46.67	=D4*E4	=IF(D4=10,F4*35% 0)	=F4+G4
5	Christopher	Bancroft	17	9	46.47	=D5*E5	=IF(D5=10,F5*35% 0)	=F5+G5
6	Pierre	Stevenson	66	8	43	=D6*E6	=IF(D6=10,F6*35% 0)	=F6+G6
7	Mingmei	Hulian	46	5	37.23	=D7*E7	=IF(D7=10,F7*35% 0)	=F7+G7
8	Noah	Parker-Smithson	39	10	35.96	=D8*E8	=IF(D8=10,F8*35% 0)	=F8+G8
9	Jill	Lockyer	15	7	31.44	=D9*E9	=IF(D9=10,F9*35% 0)	=F9+G9
10	Amarjit	Singh	64	8	30.59	=D10*E10	=IF(D10=10,F10*35% 0)	=F10+G10
11	Elizabeth	Finch-Williams	37	10	24.65	=D11*E11	=IF(D11=10,F11*35% 0)	=F11+G11
12	Joanne	Nicholls	23	5	24.5	=D12*E12	=IF(D12=10,F12*35% 0)	=F12+G12
13	Christopher	Fotheringay	27	8	22.17	=D13*E13	=IF(D13=10,F13*35% 0)	=F13+G13
14	Sofia	Svensson	36	10	18.88	=D14*E14	=IF(D14=10,F14*35% 0)	=F14+G14
15	Anna	Banks	25	10	16	=D15*E15	=IF(D15=10,F15*35% 0)	=F15+G15
16	Mohammed	Dib	19	5	15.7	=D16*E16	=IF(D16=10,F16*35% 0)	=F16+G16
17	Emma	Gold	35	10	11.93	=D17*E17	=IF(D17=10,F17*35% 0)	=F17+G17
18	Philip	Reynaldson	42	7	11.08	=D18*E18	=IF(D18=10,F18*35% 0)	=F18+G18
19								
20	<b>Totals</b>					=SUM(F4:F18)	=SUM(G4:G18)	=SUM(H4:H18)

Task	Answer	Mark
1	=IF(D4=10, ... ) entered in cell G4. Must have closing bracket for mark	1
2	F4*35% or F4*0.35 or F4*35/100 as TRUE response	1
3	0 as FALSE response. Do not accept "0"	1
4	=F4+G4 entered in cell H4. Do NOT accept =SUM(F4+G4)	1
5	=SUM(G4:G18) in cell G20 Do not accept =G4+G5 ... <b>AND</b> =SUM(H4:H18) in cell H20 Do not accept =H4+H5 ... Allow follow through if extra row not inserted in task SP1. Formulae must be in same row as "Totals"	1
6	Formulae in cells G4 and H4 replicated for all runners only.	1
7	Printed on one A4 sheet with all columns and no truncation.	1
<b>Total for Task SP4</b>		<b>7</b>
<b>Total for Activity 4: 26 marks</b>		

## Activity 5 - Using Presentation Software

MM1



Task	Answer	Mark
1	Titles for slides as given Smarts Fun Run, Entrants, Sponsorship, Younger Runners. All 4 slides.	1
2	Text for slides 1 & 2 as given. Allow pm after 2.30.	1
3	Smarts Leisure Park Logo in bottom right corner of all 4 slides. Logo same size on all slides. Suitable size and proportions retained.	1
4	Image of Caitlin on Slide 1 and suitable image from GRAPHICS on slide 2. Runners, Shoe, Running, Joggers, and Run for Fun. Suitable size and proportions retained.	1
5	Graph from Task SP2 inserted in slide 3. Suitable size and proportions	1
6	Text for slide 3 appropriate to graph.	1
7	Correct spelling and grammar of text on slide 3.	1
8	Database query results from DB3 inserted in slide 4. Do not accept screen shot.	1
9	Query results based on DB3 query design readable. No truncation.	1
10	Text for slide 4 appropriate to database extract.	1
11	Correct spelling and grammar of text on slide 4.	1
<b>Total for Task MM1</b>		<b>11</b>
<b>MM2</b>		
1	All text (except database extract) in Comic Sans font.	1
2	All images (including graph and database extract) below title and above logo and on right hand side of slides.	1
3	Text for slides presented as consistent bullet points - consistent use of full stops	1
4	Plain white background on all slides. No embellishments.	1
5	Slides printed in Handout format, 2 to a page with slide borders	1
<b>Total for Task MM2</b>		<b>5</b>
<b>Total for Activity 5: 16 marks</b>		

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