

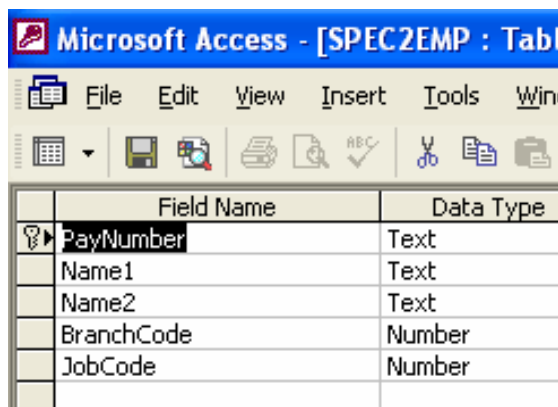
# Specimen Paper - Mark Scheme

## AS Level – Paper 2 – Practical Test

No marks to be awarded for any printout not containing the candidate name, candidate number and centre number

### Step 3

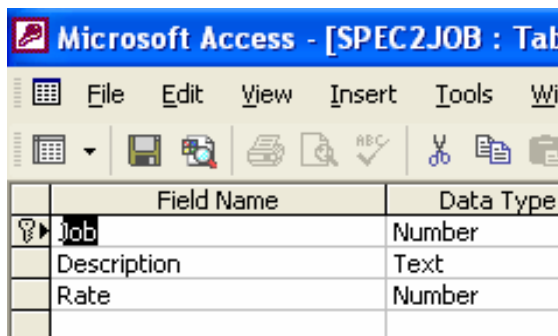
#### Candidate name, centre number and candidate number



	Field Name	Data Type
Primary Key	PayNumber	Text
	Name1	Text
	Name2	Text
	BranchCode	Number
	JobCode	Number

Table created  
 Correct fields  
 3 text fields  
 2 number fields  
 Primary key correct

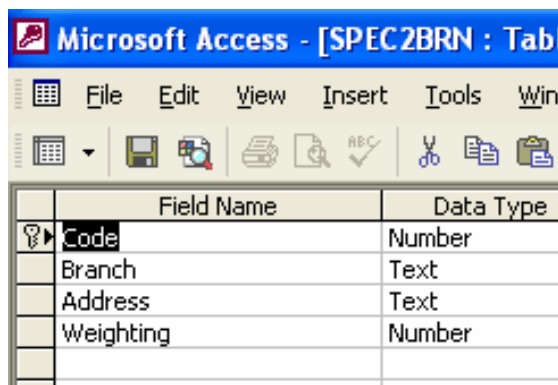
1 mark  
 1 mark  
 1 mark  
 1 mark



	Field Name	Data Type
Primary Key	Job	Number
	Description	Text
	Rate	Number

Table created  
 Correct fields & field types  
 Primary key correct

1 mark  
 1 mark



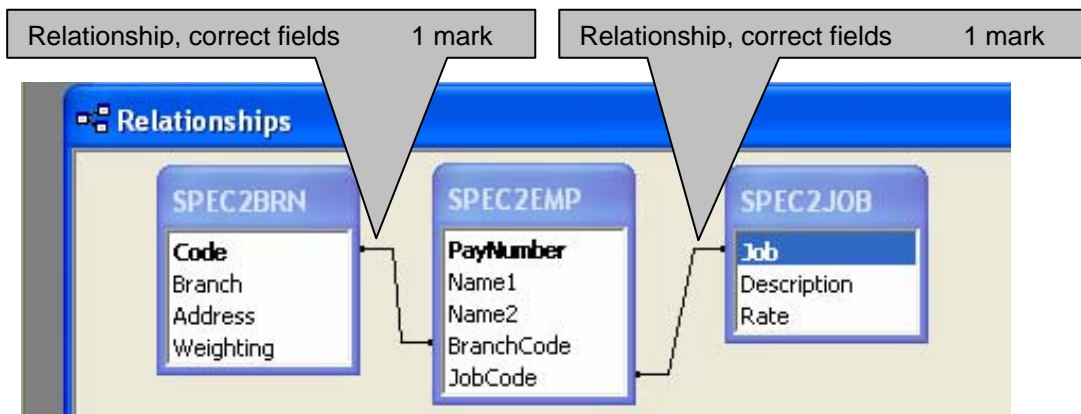
	Field Name	Data Type
Primary Key	Code	Number
	Branch	Text
	Address	Text
	Weighting	Number

Table created  
 Correct fields & field types  
 Primary key correct

1 mark  
 1 mark

### Step 5

Candidate name, centre number and candidate number



Relationship, correct type 1 mark

Relationship, correct type 1 mark

### Step 7

Candidate name, centre number and candidate number

Production Workers

Branch	Name1	Name2	Description
Bangalore	Majid	Hegde	Production
Bangalore	Mohamed	Radwan	Production Supervisor

In header 1 mark

Title 100% correct 1 mark

Bangalore	Ken	Hirasaka	Production Supervisor
Bangalore	Nedeem	Pokhrel	Production Supervisor
Bangalore	Dhruv	Chitnis	Production
Bangalore	Vinet	Motwani	Production
Bangalore	Mohamed	Hafez	Production
Bangalore	Mohamed	Ravi	Production Manager
Bangalore	Victoria	Nankani	Production
Bangalore	Shahad	Sharif	Production
Bangalore	Taran	Gupta	Production
Bangalore	Adel	Amer	Production
Bangalore	Michael	Seng	Production
Bangalore	Sama	Dhiman	Production
Bangalore	Sukrit	Dev	Production
Bangalore	Amir	Khan	Production
Bangalore	Mohamed	Solanki	Production
Teni	Uttara	Jain	Production
Teni	Mohammed	Morzaria	Production
Teni	Teng	Liu	Production

Wildcard search on Production    2 marks  
 No marks unless correct wildcard search  
 Sorted ascending on branch       1 mark  
 Correct 4 fields only                1 mark

## Step 10

### Candidate name, centre number and candidate number

Selection criteria  
 Bangalore or Chennai or Vellore 2 marks  
 (If additional fields only award 1 mark)  
 Column Headings  
 Branch names 1 mark

### Job categories at selected sites

Title 100% correct 1 mark

Description	Bangalore	Chennai	Vellore
Accounts assistant		1	
Assistant Sales Manager			1
Company Secretary		1	1
Financial Director	1	5	2
Human Resources Consultant		2	
Human Resources Department		4	
Human Resources Manager		1	
Maintenance	2	2	2
Maintenance Manager			1
Managing Director		2	
Production	13		
Production Manager	1		
Production Supervisor	3		
Programmer		7	
Project Manager	1	1	
Sales Assistant		1	8
Sales Director		1	
Sales Manager			1
Web Master		1	

Cross tab  
 Created 2 marks  
 Values as shown 2 marks  
 Selection criteria  
 JobCode < 70 (these jobs only) 1 mark  
 Row headings  
 Description 1 mark

Title 100% correct 1 mark

Pay Field  
Calculated at run time 2 marks  
Rate x Weighting (figures as shown) 2 marks

### Step 15

## *Rates of pay for maintenance employees*

<i>Branch</i>	<i>Address</i>	<i>PayNumber</i>	<i>Name1</i>	<i>Name2</i>	<i>Description</i>	<i>Pay</i>
<i>Bangalore</i>	<i>Kempe Gowda Business</i>	SIM0061	Tina	Patidar	Maintenance	58548
		SIM0059	Ankur	Kari	Maintenance	58548
						117096
<i>Chennai</i>	<i>Madras House</i>	SIM0022	Kratika	Agrawal	Maintenance	60270
		SIM0020	Dhruv	Malviya	Maintenance	60270
						120540
<i>Goa</i>	<i>Badem Plaza</i>	SIM0062	Kush	Patel	Maintenance	61992
		SIM0068	Nripesh	Kelotra	Maintenance Manager	110700
						172692
<i>Vellore</i>	<i>Parklands</i>	SIM0094	Sukan	Pokhrel	Maintenance Manager	102500
		SIM0069	Majid	Afana	Maintenance	57400
		SIM0054	Diego	Pastero	Maintenance	57400
					217300	
					627628	

*By A Candidate, Candidate 99999, Centre XX999.*

*17 December 2005*

Selection criteria  
JobCode >30 & <39 (these jobs only) 2 marks  
Fields  
Only these 7 fields shown 1 mark  
Grouping  
Grouped by branch 2 marks  
Address shown within group header 1 mark  
Group footer – correct subtotal 1 mark  
Report footer  
Name, centre no, candidate number 1 mark  
Calculated control for sum (correct) 2 marks  
Single page 1 mark

*Page 1 of 1*

Title 100% correct 1 mark

Step 17

Maintenance employees summary

Branch	Address	PayNumber	Name1	Name2	Description	Pay
Bangalore	Kempe Gowda Business	SIM0061	[REDACTED]	[REDACTED]	Maintenance	
		SIM0059	[REDACTED]	[REDACTED]	Maintenance	
						117096
Chennai	Madras House	SIM0022	[REDACTED]	[REDACTED]	Maintenance	
		SIM0020	[REDACTED]	[REDACTED]	Maintenance	
						120540
Goa	Badem Plaza	SIM0062	[REDACTED]	[REDACTED]	Maintenance	
		SIM0068	[REDACTED]	[REDACTED]	Maintenance Manager	
						172692
Vellore	Parklands	SIM0094	[REDACTED]	[REDACTED]	Maintenance Manager	
		SIM0069	[REDACTED]	[REDACTED]	Maintenance	
		SIM0054	[REDACTED]	[REDACTED]	Maintenance	
						217300
<b>By A Candidate, Candidate 99999, Centre XX999.</b>						627628

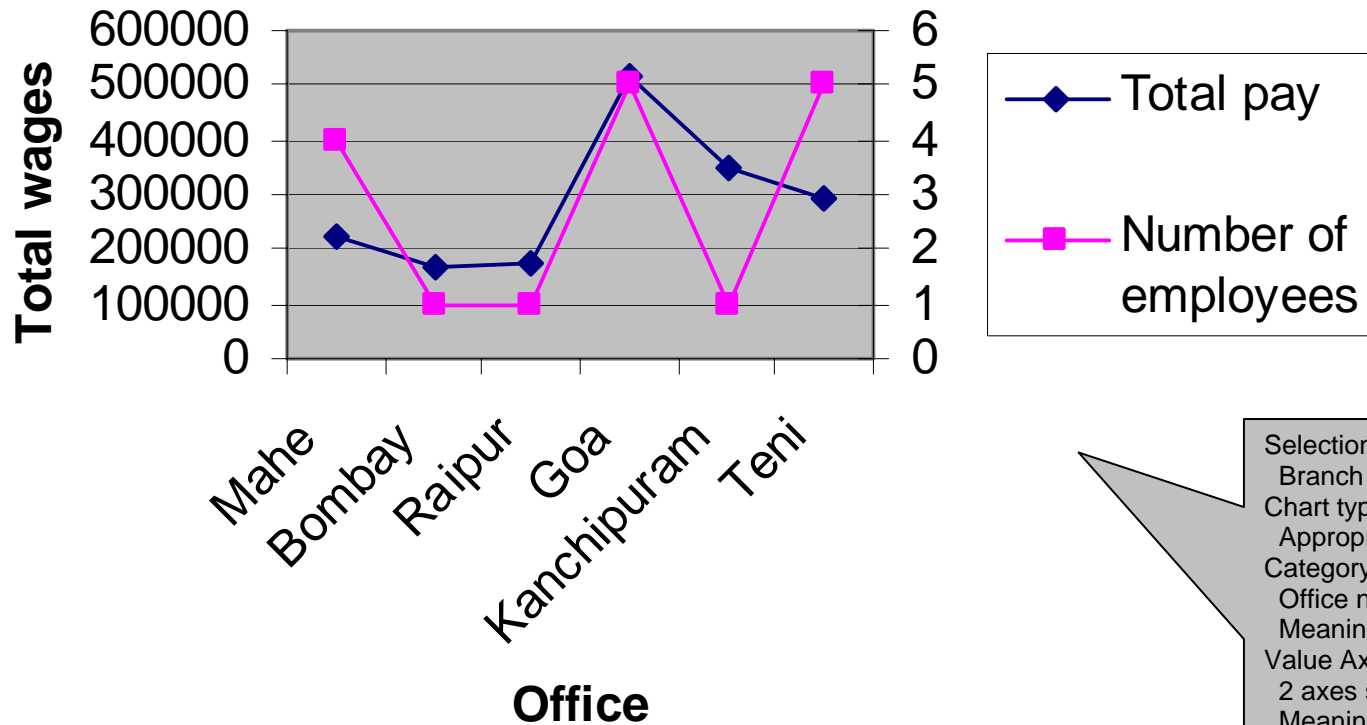
Name1 'black text and background' 1 mark  
Name2 'black text and background' 1 mark

Individual pay figures invisible 1 mark  
Subtotals and total still as original print 1 mark

Step 18

Candidate name, centre number and candidate number

### Number of employees and sum of pay



- Selection criteria
  - Branch  $\geq 4$  (these offices only) 2 marks
- Chart type
  - Appropriate (Comparative line or bar) 2 marks
- Category Axis
  - Office names in full 1 mark
  - Meaningful & appropriate axis label 1 mark
- Value Axes
  - 2 axes shown 1 mark
  - Meaningful & appropriate axis labels 2 marks
- Chart Title
  - Meaningful & appropriate chart title 1 mark
  - Title of appropriate size 1 mark
- Series labels
  - Visible, correct and appropriate (may be in a legend) 2 marks







### Step 34

#### Candidate name, centre number and candidate number

#### Formulae Used

Title 100% correct 1 mark

	D	E	F
4	<b>OfficeCode</b>	<b>Office</b>	<b>JobCode</b>
5	=VALUE(MID(A5,8,1))	=VLOOKUP(D5,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A5,3))
6	=VALUE(MID(A6,8,1))	=VLOOKUP(D6,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A6,3))
10	=VALUE(MID(A10,8,1))	=VLOOKUP(D10,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A10,3))
21	=VALUE(MID(A21,8,1))	=VLOOKUP(D21,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A21,3))
26	=VALUE(MID(A26,8,1))	=VLOOKUP(D26,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A26,3))
30	=VALUE(MID(A30,8,1))	=VLOOKUP(D30,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A30,3))
33	=VALUE(MID(A33,8,1))	=VLOOKUP(D33,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A33,3))
34	=VALUE(MID(A34,8,1))	=VLOOKUP(D34,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A34,3))
41	=VALUE(MID(A41,8,1))	=VLOOKUP(D41,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A41,3))
43	=VALUE(MID(A43,8,1))	=VLOOKUP(D43,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A43,3))
44	=VALUE(MID(A44,8,1))	=VLOOKUP(D44,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A44,3))
45	=VALUE(MID(A45,8,1))	=VLOOKUP(D45,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A45,3))
46	=VALUE(MID(A46,8,1))	=VLOOKUP(D46,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A46,3))
48	=VALUE(MID(A48,8,1))	=VLOOKUP(D48,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A48,3))
50	=VALUE(MID(A50,8,1))	=VLOOKUP(D50,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A50,3))
53	=VALUE(MID(A53,8,1))	=VLOOKUP(D53,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A53,3))
56	=VALUE(MID(A56,8,1))	=VLOOKUP(D56,['SPEC2BRN.csv']SPEC2BRN!\$A\$1:\$D\$10,2)	=VALUE(RIGHT(A56,3))

OfficeCode  
 Mid function used 1 mark  
 Correct cell reference 1 mark  
 Eighth position in string 1 mark  
 1 character extraction 1 mark  
 Turned into a numeric value 1 mark

Office  
 Correct Lookup used 1 mark  
 Correct cell reference 1 mark  
 Referenced to correct external file 1 mark  
 Correct range 1 mark  
 Correct column reference for return value 1 mark

JobCode  
 Right function used 1 mark  
 Correct cell reference 1 mark  
 3 character extraction 1 mark  
 Turned into a numeric value 1 mark

Specified columns only	1 mark
Row and Column headings	1 mark

G	H
Rate	Salary
=VLOOKUP(F5,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D5<3,G5*THREE,IF(D5=3,G5*TWO,G5*ONE))
=VLOOKUP(F6,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D6<3,G6*THREE,IF(D6=3,G6*TWO,G6*ONE))
=VLOOKUP(F10,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D10<3,G10*THREE,IF(D10=3,G10*TWO,G10*ONE))
=VLOOKUP(F21,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D21<3,G21*THREE,IF(D21=3,G21*TWO,G21*ONE))
=VLOOKUP(F26,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D26<3,G26*THREE,IF(D26=3,G26*TWO,G26*ONE))
=VLOOKUP(F30,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D30<3,G30*THREE,IF(D30=3,G30*TWO,G30*ONE))
=VLOOKUP(F33,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D33<3,G33*THREE,IF(D33=3,G33*TWO,G33*ONE))
=VLOOKUP(F34,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D34<3,G34*THREE,IF(D34=3,G34*TWO,G34*ONE))
=VLOOKUP(F41,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D41<3,G41*THREE,IF(D41=3,G41*TWO,G41*ONE))
=VLOOKUP(F43,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D43<3,G43*THREE,IF(D43=3,G43*TWO,G43*ONE))
=VLOOKUP(F44,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D44<3,G44*THREE,IF(D44=3,G44*TWO,G44*ONE))
=VLOOKUP(F45,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D45<3,G45*THREE,IF(D45=3,G45*TWO,G45*ONE))
=VLOOKUP(F46,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D46<3,G46*THREE,IF(D46=3,G46*TWO,G46*ONE))
=VLOOKUP(F48,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D48<3,G48*THREE,IF(D48=3,G48*TWO,G48*ONE))
=VLOOKUP(F50,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D50<3,G50*THREE,IF(D50=3,G50*TWO,G50*ONE))
=VLOOKUP(F53,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D53<3,G53*THREE,IF(D53=3,G53*TWO,G53*ONE))
=VLOOKUP(F56,['SPEC2JOB.csv]SPEC2JOB!\$A\$1:\$C\$46,3)	=IF(D56<3,G56*THREE,IF(D56=3,G56*TWO,G56*ONE))

<b>Rate</b>	
Correct Lookup used	1 mark
Correct cell reference	1 mark
Referenced to correct external file	1 mark
Correct range	1 mark
Correct column reference for return value	1 mark

<b>Replication</b>	
All formulae fully visible	1 mark
All labels fully visible	1 mark

<b>Salary</b>	
Nested IF (or appropriate alternative)	2 marks
< 3 and correct formulae (works)	1 mark
= 3 and correct formulae (works)	1 mark
> 3 and correct formulae (works)	1 mark
If all 3 references to row D correct	1 mark
(Allow named range)	
If all 3 references to row G correct	1 mark
(Allow named range)	
Correct named cells	3 marks

## Step 35

### Content (K & U)

5 from:

Identify issues relating to:

the validity of the data

- phraseology used/rhetoric/irony

how a user could identify the author/provider.

- links may identify the originator/other similar organisations/competitors
- advertisements may be present for competitors
- endorsements

bias in the sites

- with suggested reasons/sales/impairing sales

accuracy of data

currency of data

readability of the data

URL as a means of identifying (eg. .co/.com/.ac/.gov etc)

similarity in the URL/designed to mislead.

[9]

### Practical skills

**These practical skills will only be awarded marks if there are more than 100 words present.**

Word processed document with:

- consistent line spacing
- appropriate margins
- suitable font styles
- suitable font sizes (>10 and <15)
- correct spelling, punctuation and grammar
- <300 words
- single page
- appropriate title.

-1 mark for each error to a minimum of 0 [6]