

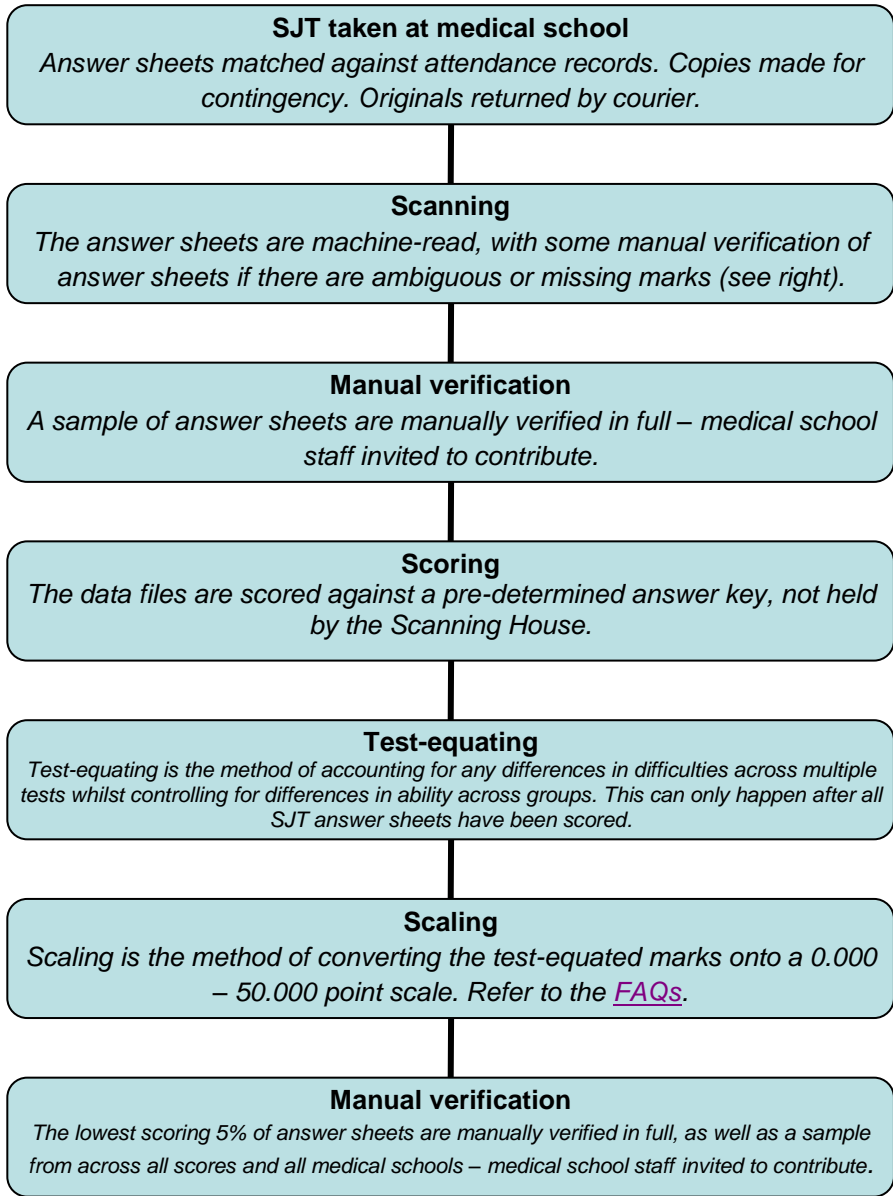
## SJT scanning quality controls

MSC Assessment has absolute confidence in the accuracy of the SJT scanned data output. Enhanced quality controls as outlined in this document are in place to ensure accuracy.

**Scanning House and Software Company**  
 MSC Assessment commissions UCL Medical School as the Scanning House. Speedwell Software has developed bespoke software set to record for 5 unique ranks for Part One answers, and exactly 3 answers in Part Two, and to require manual intervention in all other cases.

**Optimal scanner settings**  
 Scanner greyscale settings are vital where applicant marks are imprecise – they determine the level of manual intervention required to verify genuine applicant errors.

These settings determine the minimum density of an applicant mark which will be read, and the differentiation between two marks to determine if one has been incompletely rubbed out.



**Interpretation of applicant intention**  
 Answer sheets are machine-read, but manual verification is required where applicant marks are imprecise or ambiguous. These are identified by the software as ‘scanning errors’.

Two members of staff – one from UCL Medical School and one from MSC Assessment – review these errors and determine whether the answer is intended or not. A sample of changes are later audited by a third person. If in doubt, the decision is taken in the applicant’s favour.

**35** Most Least

A	c1		c3	c4	c5
B		c2	c3	c4	c5
C	c1	c2		c4	c5
D	c1	c2		c4	
E	c1	c2	c3		c5

Example: The inconsistency in the pencil marks in Q35B and Q35D would be identified by the scanning machine as a ‘scanning error’. This answer sheet would then be manually verified at the point of scanning – some are genuine applicant errors.

For this example, the recorded answer would be A2, B1, C blank, D3, E4.

### Personalised answer sheets

Answer sheets are pre-printed with applicant details for the first SJT date to which you are registered. If you are one of the small number of who take the SJT on a subsequent date owing to extenuating circumstances, you will use a blank answer sheet, not pre-printed. The SJT answer sheet is matched to the applicant record using the Oriol PIN and paper number, with an additional check that this matches the attendance record.

### Timing Marks

'Timing Marks' (also known as the 'Clock Track') are the black rectangles on the side of the answer sheet. Each mark represents a row of data that the machine is looking for. The dashed lines at the top and bottom of the answer sheet also ensure that the scanner cannot malfunction during scanning without the scan operator being aware of a problem. There is a different number of timing marks on the front and back of the answer sheets to ensure that a sheet cannot be scanned 'upside down' without detection.

### Situational Judgement Test

#### Use pencil only

If not pre-printed, write your Oriol PIN and Paper Number in the boxes then mark each number in the grid below that box (see example).

Name:

Medical School:

#### Example:

01022

001 002 003 004 005 006 007 008 009

010 011 012 013 014 015 016 017 018

020 021 022 023 024 025 026 027 028

030 031 032 033 034 035 036 037 038

040 041 042 043 044 045 046 047 048

050 051 052 053 054 055 056 057 058

060 061 062 063 064 065 066 067 068

070 071 072 073 074 075 076 077 078

080 081 082 083 084 085 086 087 088

090 091 092 093 094 095 096 097 098

099 099 099 099 099 099 099 099 099

#### PART ONE (questions 1 to 47)

##### Marking instructions

- Fill in the boxes to indicate your chosen ranking for each option, for each question you must select 1 through 5 only (in your chosen sequence). For example, the sequence C, A, E, D, B should be filled in like this:
- Use a 2B or HB pencil only.
- Do not make any stray marks on the sheet.

Most Least  
A 1 2 3 4 5  
B 1 2 3 4 5  
C 1 2 3 4 5  
D 1 2 3 4 5  
E 1 2 3 4 5

1	Most	Least	6	Most	Least	11	Most	Least	16	Most	Least	21	Most	Least
A	1	2	3	4	5	A	1	2	3	4	5	A	1	2
B	1	2	3	4	5	B	1	2	3	4	5	B	1	2
C	1	2	3	4	5	C	1	2	3	4	5	C	1	2
D	1	2	3	4	5	D	1	2	3	4	5	D	1	2
E	1	2	3	4	5	E	1	2	3	4	5	E	1	2
2	Most	Least	7	Most	Least	12	Most	Least	17	Most	Least	22	Most	Least
A	1	2	3	4	5	A	1	2	3	4	5	A	1	2
B	1	2	3	4	5	B	1	2	3	4	5	B	1	2
C	1	2	3	4	5	C	1	2	3	4	5	C	1	2
D	1	2	3	4	5	D	1	2	3	4	5	D	1	2
E	1	2	3	4	5	E	1	2	3	4	5	E	1	2
3	Most	Least	8	Most	Least	13	Most	Least	18	Most	Least	23	Most	Least
A	1	2	3	4	5	A	1	2	3	4	5	A	1	2
B	1	2	3	4	5	B	1	2	3	4	5	B	1	2
C	1	2	3	4	5	C	1	2	3	4	5	C	1	2
D	1	2	3	4	5	D	1	2	3	4	5	D	1	2
E	1	2	3	4	5	E	1	2	3	4	5	E	1	2
4	Most	Least	9	Most	Least	14	Most	Least	19	Most	Least	24	Most	Least
A	1	2	3	4	5	A	1	2	3	4	5	A	1	2
B	1	2	3	4	5	B	1	2	3	4	5	B	1	2
C	1	2	3	4	5	C	1	2	3	4	5	C	1	2
D	1	2	3	4	5	D	1	2	3	4	5	D	1	2
E	1	2	3	4	5	E	1	2	3	4	5	E	1	2
5	Most	Least	10	Most	Least	15	Most	Least	20	Most	Least	25	Most	Least
A	1	2	3	4	5	A	1	2	3	4	5	A	1	2
B	1	2	3	4	5	B	1	2	3	4	5	B	1	2
C	1	2	3	4	5	C	1	2	3	4	5	C	1	2
D	1	2	3	4	5	D	1	2	3	4	5	D	1	2
E	1	2	3	4	5	E	1	2	3	4	5	E	1	2

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please turn over

SS137

### Software checks during scanning

The scanning software is set to look for not just the number of marks within each row and column, but also by combination of rows and columns ie by question. This means that the machine will stop and require manual intervention if there is a mark in both 1A and 1C. Typically around 25% of answer sheets are manually verified in part at the point of scanning – many of these are genuine applicant errors, others are changed at the point of scanning.

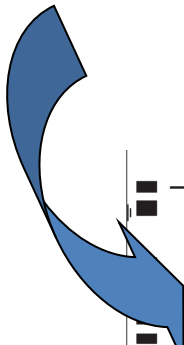
The rules around interpreting ambiguous marks have been agreed in advance (eg is it a genuine tie, or is one of the answers intended to be erased?). These are upheld for verification at the point of scanning, and again in the two subsequent stages of manually verifying answer sheets in full. Decisions are taken by two members of staff (one from UCL Medical School, one from the MSC Assessment), and the changes are audited by a third person.

### Answer sheet design

Design decisions include placing the number inside the box to be completed (rather than above the box); requiring a line through the box rather than a circle (which takes longer to fill in); answering numbers in columns (top to bottom) rather than rows (right to left); spacing between columns, question numbers and Most/Least, First/Last instruction.

### Total marks and missing marks

The precise number of questions in Part One (two thirds) and Part Two (one third) may vary each year. On an answer sheet with 47 ranking questions (Part One) and 23 multiple choice questions (Part Two), there are 1,379 answer boxes to be read by the scanner. A fully completed answer sheet will have a total of 304 answers recorded – 235 in Part One and 69 in Part Two.



**PART ONE continued**

26 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	31 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	36 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	41 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	46 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051
27 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	32 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	37 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	42 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	47 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051
28 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	33 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	38 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	43 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	
29 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	34 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	39 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	44 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	
30 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	35 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	40 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	45 Most Least A 113231031431051 B 113231031431051 C 113231031431051 D 113231031431051 E 113231031431051	

**PART TWO (questions 48 - 70) Fill in THREE boxes out of the eight available for each question.**  
For example, A, D, E should be filled in like this:  A  B  C  D  E  F  G  H

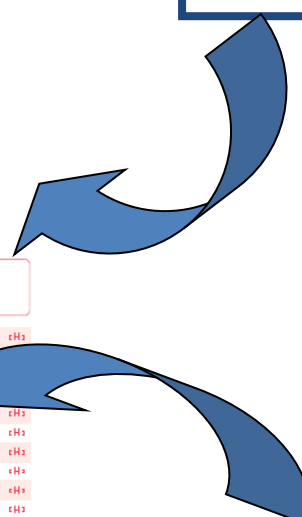
48 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	61 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
49 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	62 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
50 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	63 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
51 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	64 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
52 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	65 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
53 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	66 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
54 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	67 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
55 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	68 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
56 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	69 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
57 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	70 cA1 cB3 cC3 cD3 cE3 cF3 cG3 cH3
58 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	
59 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	
60 cA3 cB3 cC3 cD3 cE3 cF3 cG3 cH3	

**Oriel PIN**  
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### Enhanced checking of double-sided answer sheets

The barcode pre-printed on the back of your answer sheet contains your Oriel PIN. This provides an additional check that both sides of your answer sheet have scanned correctly, and are matched correctly to you on the data file.



### Part 1 and Part 2 questions

There is a straight line break between Part One (ranking) and Part Two (multiple choice).