

## SQL Columns (Data Types)

Do NOT write on this test. Record all answers on the bubble sheet. **Closed book. No notes.** Work strictly from memory. No time limit.

Which SQL column type (data type) matches best? (If no match mark J.)

- (A) `tinyint` (C) `int` (E) `largeint` (G) `mediumint` (I) `tinyint`  
 (B) `bigint` (D) `integer` (F) `medint` (H) `smallint`

- 1/1p. integer: 20 digits (eight bytes)  
 2/1p. integer: -8388608 .. 8388607 (three bytes)  
 3/1p. integer: 9 digits (four bytes)  
 4/1p. integer: -128 .. 127 (one byte)  
 5/1p. integer: -32768 .. 32767 (two bytes)

Which SQL column type (data type) matches best? (If no match mark J.)

- (A) `bigfloat` (C) `double` (E) `fixed(m,d)` (G) `floating` (I) `longfloat`  
 (B) `decimal(m,d)` (D) `fixed` (F) `float` (H) `ieee`

- 6/1p. floating-point number, four bytes  
 7/1p. floating-point number, eight bytes  
 8/1p. fixed-point number, m+2 bytes

Which SQL column type (data type) matches best? (If no match mark J.)

- (A) `char` (C) `largetext` (E) `smalltext` (G) `tinystring` (I) `varchar`  
 (B) `character` (D) `multichar` (F) `text` (H) `tinytext`

- 9/1p. character string, 1 to m+1 bytes  
 10/1p. character string, up to 256 bytes  
 11/1p. character string, m bytes  
 12/1p. character string, up to 65536 bytes

Which SQL column type (data type) matches best? (If no match mark J.)

- (A) `calendar` (C) `datetime` (E) `time` (G) `year` (I) `ymdhms`  
 (B) `date` (D) `hms` (F) `y` (H) `ymd`

- 13/1p. YMD HMS eight bytes  
 14/1p. hh:mm:ss, three bytes  
 15/1p. year, one byte  
 16/1p. YYYY-MM-DD, three bytes

Total points 16.

**Answer Key** (points per line)

1 (1).	B	bigint
2 (1).	G	mediumint
3 (1).	C	int
4 (1).	I	tinyint
5 (1).	H	smallint
6 (1).	F	float
7 (1).	C	double
8 (1).	B	decimal(m,d)
9 (1).	I	varchar
10 (1).	H	tinytext
11 (1).	A	char
12 (1).	F	text
13 (1).	C	datetime
14 (1).	E	time
15 (1).	G	year
16 (1).	B	date

Total points 16.