

## 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) **bigint**    (C) **integer**    (E) **littleint**    (G) **mediumint**    (I) **tinyint**  
 (B) **int**        (D) **largeint**    (F) **medint**        (H) **smallint**

- 1/1p.    integer: 20 digits (eight bytes)  
 2/1p.    integer: 9 digits (four bytes)  
 3/1p.    integer: -8388608 .. 8388607 (three 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) **decimal(m,d)**    (E) **fixed(m,d)**    (G) **floating**    (I) **longfloat**  
 (B) **currency**    (D) **fixed**            (F) **float**            (H) **ieee**

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

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

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

- 9/1p.    character string, up to 65536 bytes  
 10/1p.    character string, m bytes  
 11/1p.    character string, up to 256 bytes  
 12/1p.    character string, 1 to m+1 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.    year, one byte  
 14/1p.    hh:mm:ss, three bytes  
 15/1p.    YYYY-MM-DD, three bytes  
 16/1p.    YMD HMS eight bytes

Total points 16.

**Answer Key** (points per line)

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

Total points 16.