

**Precedence with Boolean operators (section 7.2)**

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

Precedence: What is the value of each expression? Mark (I) for error, (J) for none of the above.

- 1/10p.  $7+6+3<=6<=2$  (A) -46 (B) 1 (C) 7 (D) 8 (E) 13 (F) 14 (G) 20 (H) 83
- 2/10p.  $6+7-7<5<=0$  (A) -32 (B) 1 (C) 6 (D) 12 (E) 13 (F) 33 (G) 48 (H) 84
- 3/10p.  $3/8||5!=1-3$  (A) -2 (B) -1 (C) 0 (D) 1 (E) 2 (F) 3 (G) 56 (H) 90
- 4/10p.  $5+9-1>9<=2$  (A) -88 (B) -31 (C) 0 (D) 1 (E) 6 (F) 13 (G) 19 (H) 36
- 5/10p.  $5+7*8!=2<4$  (A) -36 (B) -18 (C) 0 (D) 1 (E) 5 (F) 6 (G) 12 (H) 80
- 6/10p.  $3/9\&\&5<=7-1$  (A) -53 (B) -41 (C) -38 (D) -1 (E) 1 (F) 2 (G) 3 (H) 6
- 7/10p.  $2+9!=3>=1*9$  (A) -17 (B) -13 (C) 0 (D) 3 (E) 9 (F) 11 (G) 12 (H) 27
- 8/10p.  $9+3>4\&\&4*3$  (A) -81 (B) 3 (C) 9 (D) 12 (E) 27 (F) 30 (G) 76 (H) 78
- 9/10p.  $0-5\&\&1>=1+7$  (A) -40 (B) -32 (C) -28 (D) -8 (E) -1 (F) 1 (G) 6 (H) 8
- 10/10p.  $8<=7||8+5*3$  (A) -92 (B) -18 (C) 1 (D) 3 (E) 15 (F) 16 (G) 18 (H) 63

Total points 100.

**Answer Key** (points per line)

1 (10).	B (1)
2 (10).	B (1)
3 (10).	D (1)
4 (10).	D (1)
5 (10).	D (1)
6 (10).	J (0)
7 (10).	J (1)
8 (10).	J (1)
9 (10).	J (0)
10 (10).	C (1)

Total points 100.