Question 1:

Int x=1, y=7, z=0; double i=1.5, j=-0.7; char a=’m’;

1. x \* y - z / i

= 1 \* 7 – 0 / 1.5

= 7 – 0.0

= 7.0

1. 3 \* (2 \* x + 1) / x

= 3 \* (2 \* 1 + 1) / 1

= 3 \* 3

= 9

1. x && y | z

= 1 && 7 | 0

= 1 | 0

= 1

1. (double) x / i \* y

= 1.0 / 1.5 \* 7

= 0.6666 \* 7

= 4.6666

1. a / y + (int) i / x

= 109 / 7 + 1 / 1

= 15 + 1

= 16

1. i > j & j > x || !z

= 1.5 > -0.7 & -0.7 > 1 || !0

= 1.5 > -0.7 & -0.7 > 1 || 1

= 1 & 0 || 1

= 0 || 1

= 1

1. x+y--+z++ 🡺 after evaluating this line y= 6 and z= 1

= 1+7+0

= 8

1. --x > z++ ? y-- : I \* j

🡺 before evaluating this line x= 0 and after z= 2 but y won’t change because “if” was false

= 0 > 1 ? 6 : 1.5 \* -0.7

= -1.05

1. a ? y - x : x – y

= 109 ? 6 – 0 : 0 – 6

= 6

1. x = 5 ? (y = z) : (z = y)

🡺 x = 5 ? (y = 2) : (z = 6)

🡺 5 ? 2 : 6

🡺 2

Question 2:

printf("%6d, %4d\n", 86, 1040);

🡺 86, 1040

printf("%12.5e\n", 30.253);

🡺 3.02530e+01

printf("%d\t%c\n", (int)30.253, (char)83.162);

🡺30 S

printf("%s-%s-%d\n", CC, city, 4334567);

🡺+966-11-4334567

printf("%d:%d:%d %cM (%d/%d/%d)", 9, 3, 7, b, 12, 7, 16);

🡺9:3:7 PM (12/7/16)