Q1:

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | RES |
| T | T | T | Blue |
| T | T | F | Yellow |
| T | F | T | Green |
| T | F | F | Red |
| F | T | T | Yellow |
| F | T | F | Yellow |
| F | F | T | Yellow |
| F | F | F | Yellow |

1) Execute 2) Execute 3) Skip 4) Execute 5) Execute

Q2:

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | RES |
| T | T | T | Blue |
| T | T | F | Blue |
| T | F | T | Blue |
| T | F | F | Blue |
| F | T | T | Blue |
| F | T | F | Blue |
| F | F | T | Blue |
| F | F | F | Blue |

Only first one will execute

Q3:

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | RES |
| T | T | T | White |
| T | T | F | White |
| T | F | T | White |
| T | F | F | White |
| T | T | T | White |
| F | T | F | White |
| F | F | T | White |
| F | F | F | White |

All of them will execute but the final will be 5.4

Q5:

|  |  |  |
| --- | --- | --- |
| I |  | Screen |
| 0 | True | 0 |
| 0+1=1 | True | 1 |
| 1+1=2 | True | 2 |
| 2+1=3 | True | 3 |
| 3+1=4 | True | 4 |
| 4+1=5 | False |  |

5.1: 5 5.2: 4

Q6:

I=10

H=20

Q7:

X= 2

Y= -5

D= 5

E= 25

Z= 20