

"7st" 131+

• علی خالہ جبار حیات

Q1/ ANS

$$S = \{E, H1, H2, H3, H4, H5, H6, T1, T2, T3, T4, T5, T6\}$$

Event:

 ~~$A = \{H2, H4, H6\}$~~
$$I_3 = \{H_2, H_3, H_5\}.$$
$$C = \{T_2, T_3, T_5\}.$$

Q2 / ANS

a. True

Q 3/ Ans

$$A = \{(1,1), (2,2), (3,3), (4,4), (5,5), (6,6)\}$$

13. $\{(3,6), (6,3), (4,5), (5,4)\}$

$$C = \{(3,1), (3,2), (3,3), (3,4), (3,5), (3,6)\}$$

~~XX~~

$$D = \{ \emptyset \}$$
$$A=6, B=4$$
$$C = 6, D = \emptyset$$

"Zst" Bit

عالم خالد جبار هبنة

Q4/

ANS

$$B = 3$$

$$D = 4$$

Q5/

ANS

b. False

Q6/

ANS

A simple path is a path in which all vertices are distinct. (A path in which all edges are distinct will be called a trail). A cycle is a closed path of length 3 or more in which all vertices are distinct except $v_0 = v_n$. A cycle of length k is called a k -cycle.