Q1SOL>>>ANS:B(using bayes rule )

P(queen/facecard)=p(facecard/queen)\*p(queen)/p(facecard)

Playing cards include thirteen ranks of each of the four suits: clubs (♣), diamonds (♦), hearts (♥) and spades (♠). Each suit includes three face cards a king, queen & jack.

If you’re drawing a queen from a pile consisting of ONLY face cards, the probability of drawing a queen is 4/12 (4 queens, 4 kings, 4 jacks). This reduces to 1/3, or 0.3333, or 33%.

Now, if you’re drawing a queen from a standard deck of cards (52 in all), the probability is different. There are still only 4 queens in the deck of 52: 4/52. This reduces to 1/13, or 0.0769, or 7.7%

The probability of drawing a queen from a deck of ONLY face cards is much higher (33%) than drawing a queen from a standard deck of cards (7.7%)

Q2SOL>>>ANS:A(VS:L4:27.58)

Q3SOL>>>ANS:D

Q4SOL>>>ANS:B

Q5SOL>>>ANS:B (VS:L5:25.16)

0.1(0.65\*0.3/0.545)+0.9(0.5\*0.7/0.545)=0.3345/0.545=0.613761468

Q6SOL>>>ANS:A(VS:L2:20.40)

Q7SOL>>>ANS:A(VS:L2:12.10)

Q8SOL>>>ANS:D(VS:L2:15.17)

Q9SOL>>>ANS: Signature is a boundary descriptor. All the other options in Q9 are co-occurrence matrix based texture descriptors. Hence question is WRONG (VIDEO SOURCE:L3:24.37)

Q10SOL>>>ANS(VS:L3:22.27)