(a) Explain Producer's risk and Consumer risk in reference to Product Control Techniques. (7)

(b) A person draws a card one after the other from a pack of 52 cards. Using Negative Binomial distribution find probability that he will get third spade at the eight draw. (8)

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(a) **Define Geometric Distribution and write it's main properties and uses.** (7)

(b)Which plan is better in reference to cost ? (8)

Number	Plan	P_a
1	(1000,100,2)	0.79
2	(2000,300,3)	0.83
3	(3000,500,4)	0.26

$$$