PRINTABLE VERSION

Quiz: 1

Your score is [illegible]

Question 1

Your answer is (N/A) [illegible]

The probability that a randomly selected person has high blood pressure (the event H) is P(H) = 0.1 and the probability that a randomly selected person is a smoker (the event S) is P(S) = 0.4. The probability that a randomly selected person has high blood pressure and is a smoker is 0.05. Further, probability that a randomly selected person has high blood pressure, given that he is a smoker

a) 0.4

b) 0

c) 0.14

d) 1

e) 0.01

f) None of the above.

Question 2

Your answer is (N/A) [illegible]

The probability that a randomly selected person has high blood pressure (the event H) is P(H) = 0.1 and the probability that a randomly selected person is a smoker (the event S) is P(S) = 0.4. The probability that a randomly selected person has high blood pressure and is a smoker is 0.05. Further, probability that a randomly selected person is a smoker, given that he has high blood pressure

a) 0.05

b) 0

c) 0.01

d) 0.50

e) 1

f) None of the above.

Question 3

Your answer is (N/A) [illegible]

The probability that a student correctly answers on the first try (the event A) is P(A) = 0.6. If the student unsuccessfully on the first try the student is allowed a second try to correctly answer the question (the event B). The probability that the student answers correctly on the second try (whether he answered incorrectly on the first try or not) is 1. Further, probability that the student correctly answers the question on the first or on second try

a) 0.4

b) 0.36

c) 0.96

d) 0.36

e) 0.64

f) None of the above.

Question 4

Your answer is (N/A) [illegible]

Calculate the following multiplying distributions

X =	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

P(X=x)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Value is [illegible]