B.Com. III (SEM-VI)

Subject- Advanced Statistics-Paper- III

(PROBABILITY AND PROBABILITY DISTRIBUTIONS)

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1) Probability of getting exactly 5 Sundays in November is ……

a) 1 b) 0 c) 5/7 **d) 2/7**

2) Probability of getting Red card or Black card if one card is drawn from pack of 52 cards is…….

a) 1 b) 0 c) 26/52 d) 2

3) If X is a random variable with the following probability function. Find the value of K

X	0	1	3
P(X)	K	2K	K

a) 1 b) 0 **c) 1/4** d) 2

4) The expectation of ……. of two variables is always equal to sum of their expectations.

a) Product **b) Sum** c) Multiplication d) Substraction

5) If P (A) =0.4 then prob. of non occurrence of event A is ……

a) 0.4 **b) 0.6** c) 0 d) 0.16

6) The value of probability is always lies in between……..

a) 0 to 1 b) 1 to 2 c) -1 to 1 d) 1 to n

7) The variance of Binomial distribution is……

a) c b) m c) np **d) npq**

8) 7) The mean of Normal distribution is……

a) c b) np **c) m** d) npq