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| S.No | Questions | Max Marks | CO | Bloom Levels |
| 1 | The probability of passing in subject A, B, C and D are respectively. To qualify in the examination a subject a student should pass in A and two subjects among the three. Find the probability of qualifying in the examination. | 4 | CO1 | L3 |
| 2 | Probability of man hitting a target is 1/3. If he fires so that the probability of his hitting target at least once is greater than ¾, find n. | 2 | CO1 | L2 |
| 3 | In a factory 2% of items are defective, the items are packed in the boxes of 100 items. What is the probability that there will be i) 2 defective items ii) at least three defectives? | 2 | CO1 | L2 |
| 4 | A continuous random variable X has the probability density function , Find k and mean of probability density function. | 5 | CO1 | L2 |
| 5 | A continuous random variable X has the probability density function , Find i) k ii) probability between 0.1 and 0.2 iii) mean and variance. | 2 | CO1 | L3 |
| 6 | A sample of 100 dry battery cells are tested to find their life following results found mean 12 hours and S.D. 3 hours. Assuming the data is normally distributed, what % of battery cells are expected to have life i) more than 15 hours ii) less than 6 hours iii) between 10 t0 14 hours.  Given that . | 5 | CO1 | L2 |