

Time: 1 hr

F.Y.J.C. Maths Practical Exam

Exam Seat No: _____

Class: F.Y.J.C Div: _____

Name: _____

Subject: _____ Date: _____

Marks: 15

Time: 1 hour

**Junior College Supervisor's
Sign with Date:**

| Total | Examiner's Sign Sign with Date |
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| | |

Attempt any three:

1. The Demand Function is given by $P=175 + 9D + 25D^2$. Find Revenue function, Average Revenue, Marginal Revenue.

2. A fair dice is thrown two times. Find the chance that first throw shows an odd number and second throw gives a multiple of 3.

3. If the sum of three numbers is 15. If the second number is subtracted from the sum of the first and third number we get 5. When the third number is subtracted from sum of twice the first number and second number, we get 4. Find the three numbers?

Exba

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4. Two dice are thrown simultaneously 25 times. The following pair of observations are obtained:
(2,3), (2,5), (5,5), (4,5), (6,4), (3,2), (5,2), (4,1), (2,5), (6,1), (3,1), (3,3), (4,3), (4,5), (2,5), (3,4), (2,5), (3,4), (2,5),
(4,3), (5,2), (4,5), (4,3), (2,3), (4,1)

a) Prepare a ungrouped bivariate frequency distribution table for the above data. (b) Prepare a marginal distribution of X and Y (c) Conditional distribution of Y when $X > 2$