

[LN 1018]

OCTOBER 2018

Sub. Code: 5022

MASTER OF HOSPITAL ADMINISTRATION EXAMS
(Candidates admitted in 2017-2018)
FIRST YEAR
PAPER II – BIO-STATISTICS AND OPERATIONS RESEARCH

Q.P. Code : 435022

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. The hospital has 5 jobs A, B, C, D and E and 5 men V, W, X, Y and Z. The number of hours each man would perform each jobs as follows: How should the jobs be allocated to minimize the total time?

	V	W	X	Y	Z
A	3	5	10	15	8
B	4	7	15	18	8
C	8	12	20	20	12
D	5	5	8	10	6
E	10	10	15	25	10

2. Describe the importance of testing hypothesis. Also what test should be applied when?

II. Write notes on:

(10 x 6 = 60)

1. Type of Variables used in clinical research.
2. Presentation of Data.
3. Explain how the data recorded in medical practice.
4. Measures of Dispersion.
5. Type I Error, Type II Error and Sampling Error.
6. Calculate the Arithmetic mean from the following set of observations.
9, 12, 10, 11, 8, 13, 11, 12, 10, 11, 11, 12, 11, 8, 11, 6
7. Explain two-way classification of Anova.
8. Limitations of operations research?
9. Explain the concept of Balanced and Unbalanced problems in transportation problem.
10. Vogel's Approximation method.
