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Paper Code :DMB-120
Roll No.

MBA-5
1st Year Examination, Academic Batch 2017-18
Operation Research
&
Research Methodology

Time : 3 Hours]

[Max. Marks : 100

Note. (A) Attempt any **five** questions.

(B) Each question carries equal marks. (20*5)

Q.1. A manufacture of furniture makes only chair and tables. A chair requires two hours on m/c

A and six hours on m/c B. A table requires five hours on m/c A and two hours on m/c B. 16 hrs are available on m/c A and 22 hrs on m/c B per day. Profit for A chair and table **B** Rs. 1 and Rs.5 respectively. Formulate the LPP of finding daily production of these items for maximum profit.

Q2. Discuss the significance and scope of operation research in modern management.

Q.3. Define game theory? Also define pure strategies and mixed strategies.

Q.4. Write the algorithm of simplex method.

Q.5. Discuss the essential methods of Scientific method of research.

Q.6. Discuss the use of two software package in data analysis .

Q.7. Write short notes on:

a) Chi-square

b) Central tendency

Q.8. Draft a standard structure of a report.