Code No: 136FJ **R16**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, November/December - 2020
INTRODUCTION TO MATERIALS HANDLING
(Common to CE, ME)

Time: 2 hours **Max. Marks: 75**

Answer any five questions
All questions carry equal marks
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1. Mention and explain the general characteristics of surface and overhead equipments. [15]
2. Describe the types of Pneumatic Conveyors with neat sketches. [15]
3. Discuss the different types of load suspension appliances. [15]
4. Explain the pulley factor of resistance. Also explain multiple pulley systems. [15]
5. Give the functional description of the common types of hooks with neat sketches. [15]
6. Define Gantry Cranes and mention its Characteristics and Uses. [15]
7. Write a note on load operated constant force and variable force brakes. [15]
8. Mention the mechanisms by which luffing motion of the boom can be imparted. [15]

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