

R09

Code No: 56089

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, November/December - 2020

MINE MECHANISATION-II

(Mining Engineering)

Time: 2 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

1. Explain koepe winding system with neat sketch. [15]
2. Explain mechanical braking system in winders with suitable sketches. [15]
3. Explain working of continuous miner with layouts. [15]
4. State the applications of SDL and LHD with operating limitations. [15]
5. Describe the functioning of cutter and power loaders. [15]
6. Draw and describe the layout of faces with power loaders. [15]
7. Explain functioning of centrifugal and turbine pumps with neat sketches. [15]
8. Explain the limitations of surface miner in opencast mine and its operation features.[15]

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