

Code No: 56094

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

BULK SOLIDS HANDLING EQUIPMENT

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The 100 T capacity dumpers have a transmission system []
a) Hydraulic system b) gear box system
c) electric system d) combination of two systems
2. In HEMM the tube less tyres are used vary from []
a) 24-50 PR b) 50 – 90 PR c) 70 -90 PR d) 100 –150 PR
3. Vary rapid changes in inflation (pneumatic roller) strength provided by compressor if []
a) 4 cum /min b) 3 cum /min c) 2 cum / min d) 1 cum/ min
4. The traction ropes in Aerial ropeways have diameters ranging from []
a) 10 -40 mm b) 12 – 32 mm c) 8 – 28 mm d) 14 - 50 mm
5. Two – wheeled trucks capable of carrying load up to []
a) 600 kg b) 500 kg c) 800 kg d) 700 kg
6. The trestles are spaced a part in Aerial rope ways []
a) 100 – 250 m b) 200 – 350m c) 300 – 450 m d) 50 -150m
7. VMM []
a) Vehicle Mounted Modem b) Vehicle Mounted Machine
c) Vehicle Movement Machine d) None
8. The body of dumpers has yield strength. []
a) 8780 Kg cm² b) 7870 Kg cm² c) 1090 Kg cm² d) 1120 Kg cm²
9. In sheep's foot Rollers, The standard length of the feet area of the order of []
a) 17,20 and 23 cm b) 19, 22 and 25 cm
c) 21, 24 and 27 cm, d) 23, 26 and 29 cm
10. In Aerial ropeways the track rope has a breaking load []
a) 60 – 400 t b) 70 – 500 t c) 80 – 600 t d) 90 – 700 t

Cont.....2

II Fill in the blanks

11. The term 'P R ' means (In tyres) _____
12. The body of dumpers made of _____
13. The High capacity dumpers have a transmission system _____
14. The gauge of a rope ways is usually between _____m
15. Track ropes are available in length of _____m
16. The no. of carries leaving the loading the terminal in an hour is
 $n_c = \frac{Q}{T}$
17. The time interval between carriers $t = \frac{Q}{n_c}$
18. VMU (Truck Navigation System) is _____
19. IMCCC _____
20. Truck Navigation System carried out _____

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Set No. 2

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III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

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Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The traction ropes in Aerial ropeways have diameters ranging from []
a) 10 -40 mm b) 12 – 32 mm c) 8 – 28 mm d) 14 - 50 mm
2. Two – wheeled trucks capable of carrying load up to []
a) 600 kg b) 500 kg c) 800 kg d) 700 kg
3. The trestles are spaced a part in Aerial rope ways []
a) 100 – 250 m b) 200 – 350m c) 300 – 450 m d) 50 -150m
4. VMM []
a) Vehicle Mounted Modem b) Vehicle Mounted Machine
c) Vehicle Movement Machine d) None
5. The body of dumpers has yield strength. []
a) 8780 Kg cm² b) 7870 Kg cm² c) 1090 Kg cm² d) 1120 Kg cm²
6. In sheep's foot Rollers, The standard length of the feet area of the order of []
a) 17,20 and 23 cm b) 19, 22 and 25 cm
c) 21, 24 and 27 cm, d) 23, 26 and 29 cm
7. In Aerial ropeways the track rope has a breaking load []
a) 60 – 400 t b) 70 – 500 t c) 80 – 600 t d) 90 – 700 t
8. The 100 T capacity dumpers have a transmission syste []
a) Hydraulic system b) gear box system
c) electric system d) combination of two systems
9. In HEMM the tube less tyres are used vary from []
a) 24-50 PR b) 50 – 90 PR c) 70 -90 PR d) 100 –150 PR
10. Vary rapid changes in inflation (pneumatic roller) strength provided by compressor if []
a) 4 cum /min b) 3 cum /min c) 2 cum / min d) 1 cum/ min

Cont.....2

II Fill in the blanks

11. The gauge of a rope ways is usually between _____m
12. Track ropes are available in length of _____m
13. The no. of carries leaving the loading the terminal in an hour is
n c = _____T
14. The time interval between carriers t = _____
15. VMU (Truck Navigation System) is _____
16. IMCCC _____
17. Truck Navigation System carried out _____
18. The term 'P R ' means (In tyres) _____
19. The body of dumpers made of _____
20. The High capacity dumpers have a transmission system _____

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Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

BULK SOLIDS HANDLING EQUIPMENT

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The trestles are spaced a part in Aerial rope ways []
a) 100 – 250 m b) 200 – 350m c) 300 – 450 m d) 50 -150m
2. VMM []
a) Vehicle Mounted Modem b) Vehicle Mounted Machine
c) Vehicle Movement Machine d) None
3. The body of dumpers has yield strength. []
a) 8780 Kg cm² b) 7870 Kg cm² c) 1090 Kg cm² d) 1120 Kg cm²
4. In sheep's foot Rollers, The standard length of the feet area of the order of []
a) 17,20 and 23 cm b) 19, 22 and 25 cm
c) 21, 24 and 27 cm, d) 23, 26 and 29 cm
5. In Aerial ropeways the track rope has a breaking load []
a) 60 – 400 t b) 70 – 500 t c) 80 – 600 t d) 90 – 700 t
6. The 100 T capacity dumpers have a transmission syste []
a) Hydraulic system b) gear box system
c) electric system d) combination of two systems
7. In HEMM the tube less tyres are used vary from []
a) 24-50 PR b) 50 – 90 PR c) 70 -90 PR d) 100 –150 PR
8. Vary rapid changes in inflation (pneumatic roller) strength provided by compressor if []
a) 4 cum /min b) 3 cum /min c) 2 cum / min d) 1 cum/ min
9. The traction ropes in Aerial ropeways have diameters ranging from []
a) 10 -40 mm b) 12 – 32 mm c) 8 – 28 mm d) 14 - 50 mm
10. Two – wheeled trucks capable of carrying load up to []
a) 600 kg b) 500 kg c) 800 kg d) 700 kg

Cont.....2

II Fill in the blanks

11. The no. of carries leaving the loading the terminal in an hour is
 $n_c = \frac{Q}{T}$
12. The time interval between carriers $t = \frac{1}{n_c}$
13. VMU (Truck Navigation System) is _____
14. IMCCC _____
15. Truck Navigation System carried out _____
16. The term 'P R' means (In tyres) _____
17. The body of dumpers made of _____
18. The High capacity dumpers have a transmission system _____
19. The gauge of a rope ways is usually between _____m
20. Track ropes are available in length of _____m

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The body of dumpers has yield strength. []
a) 8780 Kg cm² b) 7870 Kg cm² c) 1090 Kg cm² d) 1120 Kg cm²
2. In sheep's foot Rollers, The standard length of the feet area of the order of []
a) 17,20 and 23 cm b) 19, 22 and 25 cm
c) 21, 24 and 27 cm, d) 23, 26 and 29 cm
3. In Aerial ropeways the track rope has a breaking load []
a) 60 – 400 t b) 70 – 500 t c) 80 – 600 t d) 90 – 700 t
4. The 100 T capacity dumpers have a transmission syste []
a) Hydraulic system b) gear box system
c) electric system d) combination of two systems
5. In HEMM the tube less tyres are used vary from []
a) 24-50 PR b) 50 – 90 PR c) 70 -90 PR d) 100 –150 PR
6. Vary rapid changes in inflation (pneumatic roller) strength provided by compressor if []
a) 4 cum /min b) 3 cum /min c) 2 cum / min d) 1 cum/ min
7. The traction ropes in Aerial ropeways have diameters ranging from []
a) 10 -40 mm b) 12 – 32 mm c) 8 – 28 mm d) 14 - 50 mm
8. Two – wheeled trucks capable of carrying load up to []
a) 600 kg b) 500 kg c) 800 kg d) 700 kg
9. The trestles are spaced a part in Aerial rope ways []
a) 100 – 250 m b) 200 – 350m c) 300 – 450 m d) 50 -150m
10. VMM []
a) Vehicle Mounted Modem b) Vehicle Mounted Machine
c) Vehicle Movement Machine d) None

Cont.....2

II Fill in the blanks

11. VMU (Truck Navigation System) is _____
12. IMCCC _____
13. Truck Navigation System carried out _____
14. The term 'P R ' means (In tyres) _____
15. The body of dumpers made of _____
16. The High capacity dumpers have a transmission system _____
17. The gauge of a rope ways is usually between _____m
18. Track ropes are available in length of _____m
19. The no. of carries leaving the loading the terminal in an hour is
 $n_c = \frac{V}{T}$
20. The time interval between carriers $t = \frac{V}{n_c}$