

Code No:56089

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

MINE MECHANISATION-II

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. Which of following is used as a main pump at the pit bottom sump []
a) Sub miscible pump b) Molt stage turbine pump
c) Reciprocating pump d) Ramp pump.
2. In relation pump head is known as []
a) Distance between pump motor and discharge point
b) Vertical distance between suction end to discharge point
c) Distance between suction and to pump impeller
d) Pump impeller to discharge point
3. The impeller of pump rotates rapidly within []
a) Motor pump b) suction pipe range c) delivery pipe d) volute casing
4. Which of the following is not a main parameter to be considered for a mine car []
a) Tare load ratio b) stability of the car
c) length of haul d) co-efficient of space utilization
5. Road header is used to drive []
a) Single head b) double head c) triple head d) more than three headings
6. Expected output from a continuous miner in underground []
a) 100tpd b) 500tpd c) 1000tpd d) 1500
7. What is the maximum permissible gradient for LHD []
a) 1 in 1 b) 1 in 2 c) 1 in 6 d) 1 in 12
8. Which of the following force is not acted on mine car while it is a motion []
a) Gravitational b) torsion c) tractive d) centrifugal
9. Which type of ventilation is recommended for cutter loaders []
a) Auxiliary ventilation b) mechanical ventilation
c) anti tropal ventilation d) none of these
10. Sheerer picks are made by []
a) tungsten carbide b) chromites c) aluminum d) iron

Cont.....2

II Fill in the blanks

11. DERD stands for _____
12. As per regulation in long wall gallery shall not exceed _____mts
13. Bucket wheel excavator is used in which mines _____
14. A.F.C stands for _____
15. A _____ shovel is only modification of dipper shovel with long boom used for casting fragmented rock in to a dump of O.B
16. Machine can be termed as continuous cutter loader _____
17. The supply voltage of hand held coal drill machine is _____
18. Terrace cut is given with the help of _____
19. The maximum timbering required is _____
20. The hydraulic fluid is required for LHD _____

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Set No. 2

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

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. | Which of the following is not a main parameter to be considered for a mine car | [] |
| | a) Tare load ratio b) stability of the car
c) length of haul d) co-efficient of space utilization | |
|
 | | |
| 2. | Road header is used to drive | [] |
| | a) Single head b) double head c) triple head d) more than three headings | |
|
 | | |
| 3. | Expected output from a continuous miner in underground | [] |
| | a) 100tpd b) 500tpd c) 1000tpd d) 1500 | |
|
 | | |
| 4. | What is the maximum permissible gradient for LHD | [] |
| | a) 1in 1 b) 1in2 c) 1in6 d) 1in12 | |
|
 | | |
| 5. | Which of the following force is not acted on mine car while it is a motion | [] |
| | a) Gravitational b) torsion c) tractive d) centrifugal | |
|
 | | |
| 6. | Which type of ventilation is recommended for cutter loaders | [] |
| | a) Auxiliary ventilation b) mechanical ventilation
c) anti tropal ventilation d) none of these | |
|
 | | |
| 7. | Sheerer picks are made by | [] |
| | a) tungsten carbide b) chromites c) aluminum d) iron | |
|
 | | |
| 8. | Which of following is used as a main pump at the pit bottom sump | [] |
| | a) Sub miscible pump b) Molt stage turbine pump
c) Reciprocating pump d) Ramp pump. | |
|
 | | |
| 9. | In relation pump head is known as | [] |
| | a) Distance between pump motor and discharge point
b) Vertical distance between suction end to discharge point
c) Distance between suction and to pump impeller
d) Pump impeller to discharge point | |
|
 | | |
| 10. | The impeller of pump rotates rapidly within | [] |
| | a) Motor pump b) suction pipe range c) delivery pipe d) volute casing | |

Cont.....2

II Fill in the blanks

11. A.F.C stands for _____
12. A _____ shovel is only modification of dipper shovel with long boom used for casting fragmented rock in to a dump of O.B
13. Machine can be termed as continuous cutter loader _____
14. The supply voltage of hand held coal drill machine is _____
15. Terrace cut is given with the help of _____
16. The maximum timbering required is _____
17. The hydraulic fluid is required for LHD _____
18. DERD stands for _____
19. As per regulation in long wall gallery shall not exceed _____mts
20. Bucket wheel excavator is used in which mines _____

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Code No:56089

Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

MINE MECHANISATION-II

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. Expected output from a continuous miner in underground []
a) 100tpd b) 500tpd c) 1000tpd d) 1500
2. What is the maximum permissible gradient for LHD []
a) 1 in 1 b) 1 in 2 c) 1 in 6 d) 1 in 12
3. Which of the following force is not acted on mine car while it is a motion []
a) Gravitational b) torsion c) tractive d) centrifugal
4. Which type of ventilation is recommended for cutter loaders []
a) Auxiliary ventilation b) mechanical ventilation
c) anti tropical ventilation d) none of these
5. Shearer picks are made by []
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6. Which of following is used as a main pump at the pit bottom sump []
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8. The impeller of pump rotates rapidly within []
a) Motor pump b) suction pipe range c) delivery pipe d) volute casing
9. Which of the following is not a main parameter to be considered for a mine car []
a) Tare load ratio b) stability of the car
c) length of haul d) co-efficient of space utilization
10. Road header is used to drive []
a) Single head b) double head c) triple head d) more than three headings

Cont.....2

II Fill in the blanks

11. Machine can be termed as continuous cutter loader _____
12. The supply voltage of hand held coal drill machine is _____
13. Terrace cut is given with the help of _____
14. The maximum timbering required is _____
15. The hydraulic fluid is required for LHD _____
16. DERD stands for _____
17. As per regulation in long wall gallery shall not exceed _____ mts
18. Bucket wheel excavator is used in which mines _____
19. A.F.C stands for _____
20. A _____ shovel is only modification of dipper shovel with long boom used for casting fragmented rock in to a dump of O.B

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Code No:56089

Set No. 4

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

MINE MECHANISATION-II

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. Which of the following force is not acted on mine car while it is a motion []
a) Gravitational b) torsion c) tractive d) centrifugal
2. Which type of ventilation is recommended for cutter loaders []
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8. Road header is used to drive []
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9. Expected output from a continuous miner in underground []
a) 100tpd b) 500tpd c) 1000tpd d) 1500
10. What is the maximum permissible gradient for LHD []
a) 1 in 1 b) 1 in 2 c) 1 in 6 d) 1 in 12

Cont.....2

II Fill in the blanks

11. Terrace cut is given with the help of _____
12. The maximum timbering required is _____
13. The hydraulic fluid is required for LHD _____
14. DERD stands for _____
15. As per regulation in long wall gallery shall not exceed _____mts
16. Bucket wheel excavator is used in which mines _____
17. A.F.C stands for _____
18. A _____ shovel is only modification of dipper shovel with long boom used for casting fragmented rock in to a dump of O.B
19. Machine can be termed as continuous cutter loader _____
20. The supply voltage of hand held coal drill machine is _____

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