

Code No: R09222504

R09

SET-1

B.Tech II Year - II Semester Examinations, April-May, 2012

DRILLING AND BLASTING

(Mining Engineering)

Time: 3 hours

Max. Marks: 75

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

- - -

1. Explain the uses or purposes of Drilling. [15]
2. Explain the rotary method of Drilling with sketch. [15]
3. Explain the factors effecting Drilling. [15]
4. Write about permitted explosives. [15]
5. State the provisions related to storage, transportation and handling of explosives. [15]
6. State the dangers associated with Blasting. [15]
7. Explain about Solid Blasting. [15]
8. Explain under water Blasting. [15]

Code No: R09222504

R09

SET-2

B.Tech II Year - II Semester Examinations, April-May, 2012

DRILLING AND BLASTING

(Mining Engineering)

Time: 3 hours

Max. Marks: 75

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

- - -

1. Describe Double tube core barrels with sketch. [15]
2. Explain the method of percussive drilling with sketch. [15]
3. Describe the factors effecting Drilling. [15]
4. Write about
i) SMS ii) ANFO iii) LOX. [15]
5. Explain about different accessories used in Blasting. [15]
6. Define Misfire, State the causes and preventive measures against Misfires. [15]
7. Explain about Primary and Secondary Blasting. [15]
8. Explain about demolition of buildings. [15]

Code No: R09222504

R09

SET-3

B.Tech II Year - II Semester Examinations, April-May, 2012

DRILLING AND BLASTING

(Mining Engineering)

Time: 3 hours

Max. Marks: 75

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

- - -

1. Explain about bore hole logging. [15]
2. Describe Rotary drilling method with sketch. [15]
3. Explain Physico mechanical properties effecting drillability. [15]
4. Explain alternatives to Explosives. [15]
5. State the dangers associated with Blasting. [15]
6. Explain about Gallery Blasting. [15]
7. Explain methods of blasting in Opencast mines. [15]
8. Explain the procedure of demolition of buildings. [15]

Code No: R09222504

R09

SET-4

B.Tech II Year - II Semester Examinations, April-May, 2012

DRILLING AND BLASTING

(Mining Engineering)

Time: 3 hours

Max. Marks: 75

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

- - -

1. Explain about Horizontal and directional drilling. [15]
2. Explain percussive method of drilling with sketch. [15]
3. Explain factors effecting drilling. [15]
4. Write about mechanics of blasting. [15]
5. State the provisions related to storage, Transportation and handling of explosives. [15]
6. Explain about Solid blasting. [15]
7. State the accidents due to blast in opencast mines and preventive measures. [15]
8. Explain about Trench cutting in soft and hard rocks. [15]
