**Week 4 Assignment**

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2018-09-12, 23:59 IST.

1) Base charge and prime charge in a detonator may comprise of

- (a) ASA and PETN 1 point
- (b) Ammonium nitrate and PETN
- (c) ASA and Ammonium nitrate
- (d) None of these

**No, the answer is incorrect.**

Score: 0

Accepted Answers:

(a) ASA and PETN

2) Which of the following relationship of burning rate between the detonating fuse and safety fuse is correct?

- (a) Detonating fuse >> Safety fuse 1 point
- (b) Detonating fuse << safety fuse
- (c) Detonating fuse = Safety fuse
- (d) Detonating fuse < safety fuse

**No, the answer is incorrect.**

Score: 0

Accepted Answers:

(a) Detonating fuse >> Safety fuse

3) Ammonium Nitrate and Fuel oil give excellent result with

- (a) A mix of 94% AN and 6% Diesel 1 point
- (b) A mix of 50% AN and 50% Diesel
- (c) A mix of 95% AN and 5% Diesel
- (d) A mix of 85% AN and 15% Diesel

Accepted Answers:

(a) A mix of 94% AN and 6% Diesel
4) In commercial blasting, among the following explosives which one is currently banned in India?

- (a) NG based explosives
- (b) Slurry explosives
- (c) Emulsion explosives
- (d) Gun powder

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a) NG based explosives

5) Which of the following may be used as a base charge in Detonator?

- (a) Gun powder
- (b) Potassium nitrate
- (c) Nacl
- (d) TNT

No, the answer is incorrect.
Score: 0
Accepted Answers:
(d) TNT

6) Which of the following cannot be advised to use in watery holes?

- (a) Ammonium Nitrate Fuel Oil
- (b) Slurry explosive
- (c) Emulsion explosive
- (d) None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a) Ammonium Nitrate Fuel Oil

7) Emulsion explosive is a mixture of

- (a) Ammonium nitrate, TNT, NG
- (b) Ammonium nitrate, TNT, guar gum
- (c) Ammonium nitrate, NG, water
- (d) Ammonium nitrate, water, hollow micro-balloons.

No, the answer is incorrect.
Score: 0
Accepted Answers:
(d) Ammonium nitrate, water, hollow micro-balloons.

8) The NONEL blasting has which of the following prime characteristic?

- (a) It has greater shock to the surrounding
- (b) It is noiseless in character
- (c) It deflagrates explosive column

No, the answer is incorrect.
Score: 0
Accepted Answers:
9) Match the following blasting elements with the corresponding initiators.  

<table>
<thead>
<tr>
<th>Blasting Elements</th>
<th>Initiator</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>P- Electric detonator</td>
<td>1- Match stick</td>
<td></td>
</tr>
<tr>
<td>Q- Safety fuse</td>
<td>2- Booster</td>
<td></td>
</tr>
<tr>
<td>R- Detonating fuse</td>
<td>3- Exploder</td>
<td></td>
</tr>
<tr>
<td>S- Non cap-sensitive explosive</td>
<td>4- Ordinary detonator</td>
<td></td>
</tr>
</tbody>
</table>

- (a) P-2, Q-3, R-4, S-1
- (b) P-3, Q-1, R-4, S-2
- (c) P-3, Q-1, R-2, S-4
- (d) P-1, Q-4, R-2, S-3

No, the answer is incorrect. 
Score: 0 
Accepted Answers: 
(b) P-3, Q-1, R-4, S-2

10) Identify the initiation which is NOT possible for surface blasting.  

- (a) Detonating fuse ⇒ Nonel ⇒ Electronic detonator  
- (b) Electric detonator ⇒ Nonel ⇒ Detonating fuse  
- (c) Electric detonator ⇒ Detonating fuse ⇒ Nonel  
- (d) Electronic detonator ⇒ Detonating fuse ⇒ Nonel

No, the answer is incorrect. 
Score: 0 
Accepted Answers:  
(a) Detonating fuse ⇒ Nonel ⇒ Electronic detonator

11) Match the following for a typical slurry explosive.  

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Purpose</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>P- Calcium nitrate</td>
<td>1- Cross linking agent</td>
<td></td>
</tr>
<tr>
<td>Q- Potassium dichromate</td>
<td>2- Gelling agent</td>
<td></td>
</tr>
<tr>
<td>R- Diesel oil</td>
<td>3- Oxidizer</td>
<td></td>
</tr>
<tr>
<td>S- Starch</td>
<td>4- Fuel</td>
<td></td>
</tr>
</tbody>
</table>

- (a) P-1, Q-2, R-3, S-4
- (b) P-2, Q-4, R-3, S-1
- (c) P-3, Q-1, R-4, S-2
- (d) P-4, Q-3, R-2, S-1

No, the answer is incorrect. 
Score: 0 
Accepted Answers: