Week 5 Assignment 5

The due date for submitting this assignment has passed. Due on 2018-02-28, 23:59 IST.

Submitted assignment

1) Which action is essential for efficient grinding operation?  
   - [ ] Abrasion  
   - [ ] Attrition  
   - [ ] Impact  
   - [ ] All

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

2) Selection of grinding operation does not depend on  
   - [ ] Ore Quality  
   - [ ] Ore Quantity  
   - [ ] End use of Product  
   - [ ] Screens

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

3) Primary mills work _____________ than secondary mills.  
   - [ ] Slower  
   - [ ] Faster  
   - [ ] Same speed  
   - [ ] None

   2 points

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Tuesday 15 May 2018 09:29 AM
5) Open circuit grinding is preferred for ____________ grinding.  
- Fine  
- Coarse  
- Both  
- None  

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

6) Closed circuit grinding operation is generally carried out with _____________.  
- Crushers  
- Screens  
- Hydrocyclones  
- All  

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

7) Large pieces of ore are used as grinding medium in ____________ grinding.  
- Dry  
- Wet  
- Batch  
- Autogenous  

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

8) Large balls helps in ________________ grinding.  
- Fine  
- Coarse  
- Both  
- None  

No, the answer is incorrect.  
Score: 0
9) At Critical speed, grinding operation _____________ 2 points

- is efficient
- is non-efficient
- Doesn’t take place
- Depends on ore

No, the answer is incorrect.
Score: 0

10) In a ball mill of diameter 1200 mm, 60 mm diameter steel balls are being used for grinding at a speed of 20 rpm. Calculate the critical speed of the ball mill (rpm).

- 41.85
- 1.25
- 56.02
- 39.62

No, the answer is incorrect.
Score: 0

11) The angle of nip of a roll crusher is 17.50. If it has to crush a feed of size 1.8 cm to a product of size 0.6 cm, find out the radius of the rolls (cm).

- 44.8
- 11.1
- 22.4
- 39.62

No, the answer is incorrect.
Score: 0

12) _______ speeds are used for high-capacity coarse grinding. 2 points

- High
- Low
- Average
- None

No, the answer is incorrect.
Score: 0

13) The point where the charge, as it is carried upward, breaks away from the periphery of the Mill is called ___________. 2 points

- Angle of Nip
<table>
<thead>
<tr>
<th>Question</th>
<th>Accepted Answers</th>
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<tr>
<td>14 Rod mill produces _________ fines than ball mill.</td>
<td>Less</td>
</tr>
<tr>
<td>15 Grinding should not be performed in ___________ state.</td>
<td>Moist / Sticky</td>
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