

Code No: 54035

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

MINERAL DRESSING

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. Heavy media separation is based on []
A) Size B) Shape C) Density D) Magnetic Properties
2. Sink and float method is used for cleaning of []
A) Coal B) Lead C) Zinc D) Copper
3. Lessing process cleans..... []
A) Coal B) Sand C) Iron Ore D) Lead
4. Fixed screen plunger jig is []
A) Baum Jig B) Denver jig C) Hancock jig D) Halkyln jig
5. Harz jig is an example of []
A) Sizing B) Classification C) Concentration D) Filtration
6. Fixed screen diaphragm jig is []
A) Harz jig B) Denver jig C) Baum jig D) Hand jig
7. Floatability of any mineral is its tendency to attach to..... []
A) Water B) Air bubbles C) Agitator D) Reagents
8. An example of cationic collector is []
A) Pine Oil B) Kerosene C) Amines D) Xanthates
9. The example of ferromagnetic material is..... []
A) Iron B) Copper C) Zinc D) Lead
10. The example for paramagnetic material is []
A) Copper B) Quartzite C) Aluminium D) Manganese

Cont.....2

II Fill in the blanks:

11. Pine oil is used as a _____
12. In jigging, the fluid moves _____ and _____
13. Contact angle is a measure of _____
14. Collectors act at the interface of _____
15. Regulation of magnetic field intensity is by use of _____
16. The requirement in a Dupont process is low solubility of the _____
17. Activators are added to increase the efficiency of _____
18. Spiral classifier separates particles due to differences in _____
19. Diamagnetic forces are too weak to be used in _____ separating processing.
20. Hancock jig is an example of _____

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Code No: 54035

Set No. 2

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

MINERAL DRESSING

Objective Exam

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