

Name: _____						
<b>Subject:</b> Chemistry		<b>Class:</b> 10 <sup>th</sup>		<b>Time:</b> 60 minutes		
<b>Chapter No.16</b>		<b>MJDexpert.com</b>			<b>Total Marks:</b>	<b>30</b>
					Obtained marks	

**Note:** Please attempt any 7 short questions from Question 2. Also, attempt both parts (a and b) of Question 3. "a" Part is 5 marks and "b" is 4 marks. Cutting and removal of any content is strictly prohibited.

### Objective-Section

**Q. 1 Encircle the correct Answer . (7x1=7)**

**1. Copper glance is an example of:**

- A) Minerals                      B) ores                                      C) gangue                                      D) Organic compound

**2. When ore is lighter which process is used for concentration of ore?**

- A) Garvity separation                                      B) Froth flotation process  
C) Electromagnetic separation                                      D) All are correct

**3. The percentage of Cu in Matte is:**

- A) 45%                                      B) 98%                                      C) 99.9%                                      D) 80%

**4. Impurities like gold and silver settle down during refining of metal is known as:**

- A) electrodes mud                      B) cathode mud                                      C) anode mud                                      D) anode

**5. When CaCO<sub>3</sub> is heated which gas is produced:**

- A) Oxygen                                      B) Hydrogen                                      C) nitrogen                                      D) carban dioxide

**6. Which one of the following is not fraction of residual oil?**

- A) paraffin wax                                      B) fuel oil                                      C) lubricating oil                                      D) diesel oil

**7. The percentage of nitrogen in urea is:**

- A) 46.6%                                      B) 98.9%                                      C) 99.9%                                      D) 80%

### Subjective-Section

**Q.2 Write short answers of any seven of the following questions: (7x2=14)**

1. Define metallurgy and minerals ?
2. Write down the difference between ore and gangue?
3. Explain Electromagnetic separation?
4. Write down the raw material of urea and how ammonia is prepared for urea manufacture?
5. Write down the importance of urea?
6. Define petroleum and fractional distillation?
7. Write down the name of fractional of petroleum?
8. Write down the name of fractional of residual oil?

**Q.No.3 Long Question: (5+4=9)**

- a) Explain Solvey's process?
- b) Explain smelting and bassemmerization?