

**Syllabus for the Examination for Selection of Asst. Foreman Trainee**  
**(Mech..) T&S Gr.C**

1. Dewatering of Mine
2. Pump & Pipe line & Pipe Fittings
3. Light Vehicles
4. Metal heat treatment
5. Workshop Machinery and Equipment
6. Tools & Measurements
7. Engines, gears
8. Precisis instruments
9. Basics of Electric supply and equipments
10. CHP, Feeder breaker
11. General aspects of the mine & safety
12. DGMS regulations & acts
13. General awareness, General aspects about CIL & MCL.

**Sample Questions for Examination for Selection of Asst. Foreman**  
**Trainee (Mech..) T&S Gr.C**

1. Ten HP is equal to

- A. 1000 Watts
- B. 7360 Watts
- C. 1360 Watts
- D. 736 Watts

2. Unit of power is

- A. Amp
- B. watt
- C. volt
- D. coulomb

3. Which of the following is an underground hand held portable equipment.

- A. Coal drill machine
- B. Face pump
- C. UDM
- D. Auxiliary fan

4. Coal India Headquarters is located at

- (A) Ranchi
- (B) Dhanbad
- (C) Delhi
- (D) Kolkata

5. Impellers are used in?

- (A) Centrifugal pumps
- (B) Hydraulic Pumps
- (C) Booster Pump
- (D) All of the above

6. Following packing are used in glands centrifugal pump?

- (A) Grease Graphite Packing
- (B) Rubber Packing
- (C) Cork Sheet Packing
- (D) None of the above

7. Normally we are using HDPE pipes for in mines for dewatering of \_\_\_\_\_?

- (A) Normal Water
- (B) Acidic water
- (C) Slurry water
- (D) None of the above

8. As per DGMS guidelines, the gap between two attached coal tubs for coal transportation should not be less than?

- (A) 25 cm
- (B) 30 cm
- (C) 32 cm
- (D) 35 cm

9. Rope of haulage should be tested in every \_\_\_\_\_ months?

- (A) 6
- (B) 3
- (C) 2
- (D) 1

10. The following gases are used for cutting of iron and steel ?

- (A) Oxygen-Nitrogen
- (B) Oxygen-DA
- (C) Nitrogen-Acetylene
- (D) None of the above.