

Diploma Trainee (DT): Mining

Item Grid:

Phase	Section	Topic
I	Aptitude	General English
		Quantitative aptitude &
		Reasoning ability
II	Technical – Mining	Introduction to mining
		Explosives, mining practices, and gas detection
		Environmental engineering
		Surface mining
		Mining geology
		Mining hazards
		coal mining methods and support
		Mine management, legislation, and general safety
		Mine surveying
		Mining machinery
		Mine ventilation
		Mine Sampling, Assaying and Mineral Dressing
		Electrical Engineering for Mining

Detailed syllabus provided below for PHASE I:

General English

1. Reading comprehension
2. Verbal Ability
3. Antonyms
4. Synonyms
5. Grammar (sentence correction)
6. Idioms
7. Analogies

Quantitative aptitude

1. Arithmetic progression
2. Algebra
3. Permutation and combination
4. Percentages
5. Ratio & Proportions
6. Time-Speed-Distance

Reasoning ability

1. Positional/Seating arrangement
2. Directional Problem
3. Non-verbal reasoning
4. Assumption, premise, conclusion, linear and matrix arrangement
5. Clocks, calendars, binary logic
6. Coding & Decoding
7. Series