

PC-524
(584) M.Sc. GEOLOGY (FOURTH SEMESTER)
Examination JUNE 2020
Compulsory/Optional
Group -
Paper - I
MINING AND ENGINEERING GEOLOGY

Time:- Three Hours]

Maximum Marks : 80

Minimum Passing Marks: 29

नोट : दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note: Answer From Both the Section as Directed. The Figures in the right-hand margin indicate marks.

UNIT - I

1. Write an essay on the role of geologist in mining industry.

16

OR

White note on any two of the following.

(a) Mine support. (b) Edit Tunnel and sbayt.
(c) Mine subsidence.

UNIT - II

2. Describe the coal mining methods with neat sketches

16

OR

White note on any two of the following.

(a) Caving and slicing (b) Limitations of open cast mining.
(c) Engineering proportion of soil

UNIT - III

3. Describe various methods of tunnelling with neat sketches and suitable examples.

16

Or

White note on any two of the following.

(a) Dam foundation problems (b) Types of support in tunnel
(c) Classification of ground for tunnelling.

UNIT - IV

4. Describe the principle, economic importance and scope of marginal dressing.

16

Or

White note on any two of the following.

(a) Crushing and grinding (b) Method of screening
(c) Lineation by sizes

UNIT - V

5. Describe in detail the concentration method with flow sheet of manganese are in India.

16

Or

White note on any two of the following.

(a) Floatation method (b) Heavy media selection.
(c) Concentration method for Iron.