



- Notes :
1. Assume suitable data wherever necessary.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Marks are indicated in right margin.

1. a) Discuss the role of minerals in national economy? **10**
- b) Explain the usefulness of National Mineral policy for a nation. **6**

OR

2. a) From the given below data calculate average grade & average width. **8**

Sample No	Width in (cm)	Grade % pb
1	10	0.1
2	30	4.3
3	40	5.1
4	30	2.1
5	20	0.6

cut-off grade 3% pb & Minimum stopping width is 1m.

- b) Enlist the different methods of reserve estimation. Discuss any one method of reserve estimation in detail. **8**
3. State the different methods of sampling and describe any one method in detail. What errors are likely to creep in sampling and how will you guard against it? **16**

OR

4. a) What is sample preparation? State its objective & how it will be carried out? **6**
- b) What precautions will you take to avoid salting? **6**
- c) What do you understand by "Theory of sampling"? **4**

5. Explain the complete procedure of estimating the value of a working mine. **16**

OR

6. a) Discuss the factors which influence the cost of production of a mining company. **8**
- b) What is depreciation? Explain any one method to calculate depreciation with suitable example. **8**

7. Discuss how mineral wealth of the nation can be conserved? **16**

OR

8. What do you understand by the term 'Budget and Budgetary control'? What are the various principal functional budgets? What are the general objectives of the system of Budgetary control? **16**

9. Explain the various kinds of shares and debentures. Discuss the advantages and risk involved in purchasing equity shares. **16**

OR

10. What are the various factors taken into consideration while fixing the price for a mineral commodity. Explain in detail with suitable example. **16**
