5/H-26 (vi) (Syllabus-2015)

2019

(October)

GEOLOGY

(Honours)

(GELH-503)

(Economic Geology)

Marks: 56

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer four questions, selecting one from each Unit

UNIT-I

(General Economic Geology)

- 1. (a) What do you understand by the terms 'ore' and 'gangue' minerals? Give examples.
 - (b) Outline the classification of mineral deposits as proposed by Lindgren in a tabular form.

(2)				
Write short notes on any four of the following:				
(a) Early magmatic deposits (b) Contact metasomatic deposits (c) Stockworks				
(d) Placer deposits				
(e) Metamorphic deposits				
UNIT—II (Indian Economic Mineral Deposits)				
(a) Name any two important ore minerals of copper and give their composition. (b) What are the different types of manganese deposits found in India? type.				
(c) Give a brief account on the mode of mica. 6 6 6 6 6 6 6 6 6 6 6 6 6				
Write short notes on any four of the (a) Uses of charman 314x4=14				
(a) Uses of chromite (b) Khetri copper belt				
opper belt				

	(a)	Uses of aluminium Zawar belt of Rajasthan Iron ore deposits of Madhya Pradesh	
		Unit—III	
	•	etroleum and Radioactive Minerals)	
5.	(a)	Discuss in brief the mode of occurrence of petroleum.	4
	(b)	Give a brief account of the distribution of petroleum deposits in Western India.	8
	(c)	important productive on	2
6	th	hat is the principal mineral from which orium is obtained in India? Write notes on the mode of occurrence, origin, uses and stribution of thorium deposits in India. 2+2+3+3+4	=14
		Unit—IV	
		(Coal)	
		properties of coal. b) Write a brief note on the mode of the coal.	7

2+3+2=7

(Turn Over)

and

types

occurrence,

coal.

20D/144

- 8. Write short notes on any four of the 31/2×4=14
 - (a) Fixed carbon content
 - (b) Inertinite
 - (c) Vitrain
 - (d) Fusinite
 - (e) Calorific value

: 9