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Name.....29.....

Reg. No.....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2015**

(UG-CCSS)

Core Course

Geology

GL 6B 15—ECONOMIC GEOLOGY

Time : Three Hours

Maximum : 30 Weightage

**Part A**

I. Objective type. Answer *all* 12 questions :

- 1 In Kerala Placer gold deposits are seen associated with river gravels of :
  - (a) Bharathapuzha.
  - (b) Chaliyar puzha.
  - (c) Periyar.
  - (d) Pampa.
- 2 An example for mineral deposit by sublimation :
  - (a) sulphur.
  - (b) Galena.
  - (c) Platinum.
  - (d) Pyrolusite.
- 3 The famous Makrana marble quarries are located in :
  - (a) Udaipur.
  - (b) Jodhpur.
  - (c) Bikaner.
  - (d) Ajmer.
- 4 Zawar mines of Rajasthan is famous for :
  - (a) Copper deposits.
  - (b) Gold deposits.
  - (c) Lead and zinc deposits.
  - (d) Mica deposits.
- 5 \_\_\_\_\_ is the recrystallised limestone used as decorative stone.
- 6 Name the ore mineral having the chemical composition  $MnCO_3$ .
- 7 The heavy mineral occurring as accessory mineral in Khondalite rocks of Kerala.
- 8 The mobile rock material capable of intrusion and extrusion.
- 9 The metal content of an ore.
- 10 The part of an ore deposit from which metal is not extracted,
- 11 The host rock of diamond.
- 12 The most productive petroliferous strata in Asia are of \_\_\_\_\_ to \_\_\_\_\_ age.  
(12 × ¼ = 3 weightage)

**Turn over**

**Part B**

II. Answer all *nine* questions in not less than 100 words :

- 13 Abrasive minerals.
- 14 Ore minerals.
- 15 Cavity filling deposits.
- 16 Beach placers.
- 17 Gossans.
- 18 Barite deposits of Andhra Pradesh.
- 19 Stock works.
- 20 Reservoir rocks.
- 21 Kodurite.

(9 × 1 = 9 weight)

**Part C**

III. Explain any *five* questions in not less than 200 words :

- 22 Mode of formation of asbestos.
- 23 Mineral policy of India.
- 24 Refractory minerals and its examples.
- 25 Economic minerals of Kerala.
- 26 Supergene enrichment.
- 27 Mechanical concentration of ores.
- 28 Syngenetic and epigenetic deposits.

(5 × 2 = 10 weight)

**Part D**

IV. Answer any *two* of the following in not less than 1000 words :—

- 29 Give an account of classification of ore deposits.
- 30 Describe the process of formation of iron ore deposits. Add brief account of Geographical distribution of iron deposits of India.
- 31 Describe the origin, classification and constitution of coal deposits. Add a note on its distribution in India.

(2 × 4 = 8 weight)