

Total No. of Questions : 4]

SEAT No. :

**P843**

[Total No. of Pages : 2

**[5315]-443**

**T.Y. B.Sc.**

**GEOLOGY**

**GL - 343 : Economic Geology**

**(2013 Pattern) (Paper - III) (Semester - IV)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates:*

- 1) All questions are compulsory.*
- 2) All questions carry equal marks.*
- 3) Figures to the right indicate full marks.*
- 4) Neat diagrams must be drawn wherever necessary.*

**Q1)** Answer the following questions in 2/3 lines.

**[10]**

- a) What are epigenetic deposits?
- b) What is tenor of ore?
- c) What is shale gas?
- d) What are mesothermal deposits?
- e) What is true gossan?
- f) What is metasomatic replacement?
- g) Give two ore minerals of silver.
- h) Give the different variation of coal.
- i) Give the types of oil traps
- j) What is saddle reef?

**Q2)** Answer the following questions (any two)

**[10]**

- a) Types of placer deposits.
- b) Mineralogy and uses of radioactive elements.
- c) Gossans as guides to the hidden deposits.

**P.T.O.**

**Q3)** Write notes on (any two)

**[10]**

- a) Residual concentration
- b) Origin of coal
- c) Assam shelf oil field

**Q4)** Explain early and late magmatic deposits with suitable examples.

**[10]**

OR

Give, mineralogy, geological and geographical distribution and uses of Iron deposits.

