

B.Sc. (CBCS Pattern) Sem-V
USGEOT011 - DSE : Geology Paper-III : Exploration Geology

P. Pages : 1

Time : Three Hours



GUG/W/22/13125

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a neat sketches wherever necessary.

1. Describe the following.
a) Mineral Resources
b) Mineral Resources in Industries

OR

Give a brief account of process of mineral genesis in connection to exploration.

2. Define sampling and give a brief account of subsurface sampling

OR

Describe the following.

- a) Principles of Geochemical exploration.
b) Concept of exploration.

3. Give a brief account of reserve estimation of rectangular and triangular blocks.

OR

Describe the following.

- a) Evaluation of sampling data.
b) Reserve estimation of polygonal blocks.

4. Give a brief account of drilling.

OR

Describe the following.

- a) Core – lagging and reserve estimation
b) Planning of Bore Hole.

5. Write on the following in note more than two sentences solve **any ten**.

- a) Dissemination deposits.
b) Define Reserve
c) Regional Exploration
d) Reduction of sample
e) RMO sampling
f) Trenching
g) Variance
h) Median
i) Tonnage
j) Drill Bit
k) Core Barrel
l) Bulk density
