

(4235)

2009-2010
B.Sc. (Hons.) (PART – III) EXAMINATION
(GEOLOGY)
APPLIED GEOLOGY
(GL-318)

Maximum Marks: 40

Duration: Three Hours

Note: Answer all questions.

1. Describe the methods of liquid waste disposal and their impact on environment. (07)

OR

1' Write notes on the following:

- (a) Geological constraints in urban planning.
- (b) Impact of Urbanization on land use.

2. Describe the sources of trace elements in environment and their impact on human health. (07)

3. Describe in detail the basics and function of GIS. Explain its application in geological studies. (07)

OR

3' Write explanatory notes on the following:-

- (a) Cylindrical projection system
- (b) Application and limitations of GPS.

4. Write explanatory notes on any two of the following:- (06)

- (a) Litho Chemical sampling
- (b) Path finder elements.
- (c) Principle and functioning of ICP.

5. Give a brief account of the various properties used in the identification of gemstones. Give suitable examples. (07)

OR

5' Write explanatory notes on the following:-

- (a) Colour and its causes in gemstone.
- (b) Measurement of specific gravity in gemstones.

6. Write a brief account of the identification of gemstones belonging to the Corundum group. (06)
