

SE sem III (old)

Civil Engg.

E. G.

08/12/2014

QP Code :12303

(OLD COURSE)

(3Hours)

[Total Marks-100]

- N.B.:**
1. Question No. 1 is compulsory.
 2. Attempt any 4 questions out of remaining 6 questions.
 3. Draw neat sketches wherever necessary.
 4. Figures to the right indicate full marks.

1. (i) Identify the mineral with the help of given physical properties. 5
- (a) Form- crystalline, Lustre- pearly, colour: Flesh coloured, Composition- $KAlSi_3O_8$ Hardness-6
- (b) Colour- white, Cleavage- Rhombohedral, Composition- $CaCO_3$ Hardness-3
- (c) Form- Foliateous, Lustre- pearly, Sp. Gravity-2.58-2.83, Hardness-1, Feel – soapy
- (d) Form –Foliateous, Lustre- pearly, colour Black, Sp. Gravity-2.5-3, Cleavage- basal pinacoid
- (e) Form-Bladed, Lustre- pearly, colour-blue, Hardness- 4-7, Composition- Al_2SiO_5
- (ii) Define the following terms - 5
- (a) Mantle (b) Sill
- (c) Thermal Metamorphism (d) Fossil
- (e) Epicentre
- (iii) State the geological agents responsible for the formation of the following features. 5
- (a) Pedestal Rock
- (b) U-shaped valley
- (c) Delta
- (d) Craig and Tail
- (e) Ox bow lake
- (iv) State True or False:- 5
- (a) Talc is a metallic mineral.
- (b) An aquifer is a strata which holds and yields good quantity of water.
- (c) Phacolith is a structure of sedimentary rock.
- (d) Poikilitic texture is related to metamorphic rocks
- (e) Limestone is parent rock for Marble.

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LM-Con.:10277-14.