

(4)

Unit-III / FkæF&III

A

(Printed Pages 4)

6. What is Incongruent melting? Explain crystalization behaviour of leucite and silica.

Demeceeve ieueve ke^hle n^hP u^hUetneeF^hS Deej^h efneefukeâe keâ^h >äm Šueekaj Ce
keâ^h J^hUeJenej keâes efueKeW

7. Write notes on :

- (a) Granite
- (b) Nepheline syenite
- (c) Gabbro

efuefueKele hej e^hShheeCeUeeB efueKeS :

- (a) e^hgeef^hS
- (b) v^heâueare meeFveeF^hS
- (c) i^heje^h

Unit-IV / FkæF&IV

8. Discuss the origin of sedimentary rocks.

Dejemeeoetje MeueelWkeâr GIheeb^h keâr elleJesvee keâespejles

9. Write notes on :

- (a) Types of metamorphism
- (b) Anatexis

efuefueKele hej e^hShheeCeUeeB efueKeS :

- (a) keâJeevlej Ce keâ^hkeâej
- (b) hegei^heve

Roll. No. _____

S-651

B.Sc. (Part-II) Examination, 2015

GEOLOGY

Third Paper

(Optical Mineralogy and Petrology)

Time Allowed : Three Hours] [Maximum Marks : 50

- Note : (i) Answer five questions in all.
(ii) Select one question from each Unit.
(iii) Question No. 1 is compulsory.
(iv) Marks for each question are shown in the margin.
- (i) keâgue heeB^h ðeMveelWkeâr Göej oœpeS-
 - (ii) ðeUekeâ FkæF&mes Skâ^h ðeMve ÜegfeS-
 - (iii) ðeMve meb1 DeefJeelUe&n^h
 - (iv) ðeUekeâ ðeMve keâ Deleâ neMeUes cellNoMeedles iejes n^h
1. Write short answers to the following: (in about 50 words each : 20
- (i) What is Eutectic point
 - (ii) Porphyritic texture

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- (iii) Phase rule
 - (iv) What are clastic rocks, name any two
 - (v) Why feldspathoids are not found with Quartz.
 - (vi) What is myrmekitic texture
 - (vii) Define Solidus.
 - (viii) What is pleochroism
 - (ix) Isotropic minerals.
 - (x) Agents of metamorphism
- efecvedueKele kā ueleg Gōej eueKeS (50 Meyoellc)
- (i) Ueškādskā hJeeFvš kēlēe nP
 - (ii) heehefj eškā mēlē"ve
 - (iii) heipē efelce
 - (iv) Kēlēe Māne kēlēe nes nP kās&oes Goenj Ce eueKell
 - (v) heauē[thekelēf & BeSeer kā Keefope kēlēešpē kā mēlē kēlēe
vene efceuē
 - (vi) etej celiāF&skā ie"ve kēlēe nw
 - (vii) mēlē[me kāer hefj Yeeē eueKel
 - (viii) hueDeesēf&ce kēlēe nP
 - (ix) DeeFmēs&heka Keefope
 - (x) kēlēlēvlej Ce kā kāe kā

(3)

Unit-I / FkāeF&I

- 2. Write short notes on the following :
 - (a) Refractive Indices
 - (b) Double refraction
 - (c) Relief
 - 3. Explain the following:
 - (a) Twinkling
 - (b) Extinction
 - (c) Twinning.
- efecvedueKele kāer JūekUee kāerhefles :
- (a) efSdekefie
 - (b) efleuceve
 - (c) Ueceuve
- Unit-II / FkāeF&II
- 4. What is Bowen's reaction principle?
yejeve kāe ej SkāMve eheaeve kēlēe nP
 - 5. Explain the I.U.G.S. classification of plutonic Igneous rocks.
efleucele Deivele MāneWkāe DeeF&Uet peer Sme. Jeiekaej Ce mēcePeeUel