

(4)

Code No. : B-215(B)

Roll No.....

OR

áñtÁaÁ Sÿ sáwéáaáSÿ Sÿáue Sÿ ÁÿvDwÚyq ááaaten NÁaá: wáwá sá áSÿámuá Sÿá: w/ááa Sÿlák¥ ñ

Describe the landforms formed as a result of geological work of glaciers.

ZaTÁa-3. wvÁá Sÿ áSÿÁNáqáí ZaSÿá Sÿá yáí Óa w/ááa Sÿlák¥ ñ

Describe any five types of folds along with diagrams.

OR

sñá Sÿ kÁaáa Sÿ wáSÿE/á Sÿá w/ááa Sÿlák¥ ñ

Describe genetic classification of faults.

ZaTÁa-4. j máSÿááú ytÁáú Sÿ yááú wáe Sÿ áSÿD'páú ; Óa, ytátám m'w ¥wþ ; áSÿámuá Sÿá w/ááa Sÿlák¥ ñ

Describe the crystallographic axes, symmetry elements and forms of normal class of Tetragonal system.

OR

x'ñ Sÿááú ytÁáú Sÿ yááú wáe Sÿ áSÿD'páú ; Óa, ytátám m'w ¥wþ ; áSÿámuá Sÿá w/ááa Sÿlák¥ ñ

Describe the crystallographic axes, symmetry elements and forms of normal class of Hexagonal system.

ZaTÁa-5. háááá Sÿ yááááE óááá ZaSÿááá tþ Ááá: kááá: wááá: ZaSÿáááú áááá Sÿá w/ááa Sÿlák¥ ñ

Describe optical properties of minerals as seen in plane polarized light.

OR

ááááááá háááá Sÿ sááá Sÿ ¥wþ ZaSÿáááú áááá Sÿá w/ááa Sÿlák¥ ñ

Describe physical and optical properties of following minerals :

- i) wááá (Quartz)
- r) Sÿl yáá'p (Calcite)
- y) Ááááá ; áááá (Plagioclase)
- Á) ááááá (Garnet)

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Annual Examination - 2017

B.Sc.-I

GEOLOGY

Paper - I

INTRODUCTION TO GEOLOGY - I

Max.Marks : 50

Min Marks : 17

Time : 3 Hrs.

1áq B h'áá' ; ' tþÁy ; ámvi ááEá ZaTÁa NÁ ákÁNþNv SÿEÁá ; ááááááá h'áá'r' tþvi ááEá ZaTÁa h'áá'y' tþÁáí eEáEáú ZaTÁa Nón h'áá' ; ' Sÿá: yááááááá SÿEáá

Note : Section 'A' is very short, containing 10 questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

h'áá' ; '(Section-'A')

ááááááá Sÿm ; ám vi ááEáú ZaTÁaá Sÿ EáE ¥Sÿ uá Áá: wááá tþ Áá ñ
(Answer the following very short-answer-type questions in one or two sentences) (1x10=10)

ZaTÁa-1. qáwá Sÿá sáÁúEááú lúáá áSÿmÁáá NÉ?

What is the equatorial diameter of the Earth?

ZaTÁa-2. qáwá Sÿl ; áááE Sÿ yEj Ááá Sÿ áwáááá sááá Sÿ ááá áváá¥ ñ

Name various parts of the interior of the Earth.

ZaTÁa-3. Ááá ; qÓáú Sÿl qáEááá áváá¥ ñ

Define rock weathering.

ZaTÁa-4. Áááááááá Sÿ áwáááá ZaSÿááá Sÿ ááá áváá¥ ñ

Write the names of various types of plate margins.

ZaTÁa-5. sñá Sÿl qáEááá áváá¥ ñ

Define fault.

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ZaTAA-6. Taa yDmE Sg AaamvIr Syl qaESaxa avahY ni

Define strike of a rock bed.

ZaTAA-7. °hy Sgaya ua NE?

What is solid angle?

ZaTAA-8. i Aaa ytAAu Sg yatalu waESg aSjD1pva tEaSimaaytatam ; Oa NamcNE?

How many axes of symmetry are present in crystals belonging to normal class of cubic system?

ZaTAA-9. i amaf vIk Syl SyPam aSimaAa NE?

What is the hardness of orthoclase?

ZaTAA-10. aSgya YSg ytAAaSy haak Sja Aat avahY ni

Write the name of any one isotropic mineral.

h/p-'r' (Section-'B')

alaAaasym vi a EuaEau ZaTAAp Sg EuaE 150-200 TaA-yata tE Ap ni
(Answer the following short-answer type questions with word limit
150-200) (3x5=15)

ZaTAA-1. qawa Syl ; amaESy yEj Aa Sgww AaataSjm aj Oa oEa ytl acY ni

Explain the interior of Earth only by a neat labelled diagram.

OR

qawa Sg j Ir Sylu Oaqa qE YSg a1llq/aa avahY ni

Write a note on the Earth's magnetic field.

ZaTAA-2. kw ; qOau qE YSg a1llq/aa avahY ni

Write a note on biological weathering.

OR

AaAa avyqva Sja,ytl acY ni

Explain river meandering.

ZaTAA-3. i aAa Taaap Sg aSyaNaAa;Uyqap Sja,ytl acY ni

Explain any two forms of igneous rocks.

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OR

wvAa Sg m3wap Sja;Sjwv AaataSjm aj Oa oEa ytl acY ni

Explain elements of fold only by labelled diagram.

ZaTAA-4. avxt ; Oaa ytAAu Sg aSjD1pva ; OapYwpytatam m3wapqE YSg a1llq/aa avahY ni

Write a note on crystallographic axes and symmetry elements of orthorhombic system.

OR

YSjamaOa ytAAu Sg aSjD1pva ; OapYwpytatam m3wapqE YSg a1llq/aa avahY ni

Write a note on crystallographic axes and symmetry elements of monoclinic system.

ZaTAA-5. haakap tE avAvAa Sja,ytl acY ni

Explain cleavage in minerals.

OR

rNDv/ama qE YSg a1llq/aa avahY ni

Write a note on pleochroism.

h/p-'y' (Section-'C')

alaAaasym Aai e EuaEau ZaTAAp Sg EuaE 300-350 TaA-yata tE Ap ni
(Answer the following long-answer type questions with word limit
300-350) (5x5=25)

ZaTAA-1. qawa Syl ; auaoam Sja;Syl avasAa avaoaap Sja w/aa SylakY ni

Describe various methods of determination of age of the Earth.

OR

yaf tE Syl E3qala Syl avasAa ; woE/aa; ap Sja w/aa SylakY ni

Describe various theories of origin of the Earth.

ZaTAA-2. 3wavatara Sg avasAa ZaSja;ap Sja w/aa SylakY ni

Describe various types of volcanoes.