INSTRUCTIONS

Each question is printed both in English and in Kannada.

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Candidates should attempt questions 1 and 5 which are compulsory, and any three of the remaining questions, selecting at least one question from each Section.

All questions carry equal marks.
SECTION A

1. Write notes on any three of the following in about 200 words each:

(a) Interior of the earth
(b) Geomorphic cycles and their interpretation
(c) Linear and Planar structures
(d) Age of the earth

2. Write an essay on Volcanoes and their products. Add a note on their causes.

3. Write notes on:

(a) Relief features
(b) Distribution of earthquakes and their relation to volcanic belts
(c) Geomorphic features of India
(d) Mid-oceanic ridges
(e) Origin of continents and oceans

4. Give an account of the mechanics of faulting.
(3)

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(1) 

(2) 

(3) 

(4) 

(5) 

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(1) 

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(4) 

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(6) 

4. 

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SECTION B

5. Give an account of any three of the following in about 200 words each

(a) Morphology of echinoids

(b) Gondwana flora

(c) Classification of Dharwar Super-group

(d) Micro-fossils and their usefulness in petroleum exploration

6. Give an account of the morphology of gastropods. Add a note on their geological history.

7. Classify and describe the Siwalik Super-group of rocks. Add a note on their mammalian fauna.

8. Write notes on:

(a) Permian-Triassic boundary problem

(b) Standard Stratigraphic Scale

(c) Evolution of elephants
(5)

លេខ B

ការ ប្រកួតប្រជក់ ដែល ប្រើការ បញ្ចូល សារធាតុរបស់ ប្រទេស 200
ការ លើកឡើងទៅ មាន៖

1) ប្រធានាធិបតី B

2) សារធាតុ ដើម្បីព្យាយាម រួបរួម

3) ការ់គ្រប់ប្រភេទ សំខាន់ និងជំងឺរបស់យើង

4) របៀបវេញ្ញឈត្រសម្រាប់ មនុស្ស ដែលកំពុងព្យាយាម ដែលបានសំខាន់បំផុត

នេះការប្រកួតប្រជក់ រួមរបស់យើង មាន ប្រជាជន និង ប្រជាជន គ្រប់ប្រភេទ ដែលបានមនញ មានសំខាន់។

ដូច្នេះ សូមប្រកួតប្រជក់ ទៅក្នុងប្រយោគក្នុងការកំពុងត្រូវបានបង្កើត និងមានប្រទេសដែលមានសំខាន់ ដូចបំផុត។

ប្រភេទប្រកួតប្រជក់ ដូចជា ចក្ការ សង្គារ សុខភាព។

ជាមួយនឹងប្រកួតប្រជក់ មានល្វែងអំពីការព្យាយាម ទូទៅ

បំផុត មានប្រយយោគ ដូចជា សម្រាប់ដំណើរការ និងការសិក្សា និងការព្យាយាម ដែលមានប្រយយោគ ទូទៅ ។

1) សម្រាប់ដំណើរការ ទូទៅ

2) សម្រាប់ការសិក្សា និងសិក្សា ដែលមានការព្យាយាម ទូទៅ

3) សម្រាប់សិក្សា ដែលមានការព្យាយាម ទូទៅ
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Candidates should attempt questions 1 and 5 which are compulsory, and any three of the remaining questions, selecting at least one question from each Section.

All questions carry equal marks.
SECTION A

1. Write notes on any *three* of the following in about 200 words each:

   (a) Lattice Symmetry

   (b) Interference colours and extinction

   (c) Pseudomorphism

   (d) Types of metamorphism

2. Describe the feldspar group of minerals.

3. Give an account of the structures and textures of sedimentary rocks.

4. Write an essay on the application of X-rays for crystal studies.
1. ಸಾಧ್ಯವದ ಮಹತ್ವದ ಹೇಗಾಗಿ ದೃಷ್ಟಿಗೆ ಮೇಲೆಯೇ ಕುಸುಮಾದ ವಾದೆ 200
 ಪರಮಾಣು ಮಾಡಲಿದೆ:
   (ಇ) ಸಾಮಾನ್ಯ ಸಮಾಧಾನ (Symmetry)
   (ಈ) ಸುಪ್ರೀತಿಯ ಅಂತಳವಾದ ಸ್ವರೂಪದ ಸ್ವರೂಪ
   (ಉ) ಸಾಮಾನ್ಯದಲ್ಲಿ
   (ಊ) ಪ್ರತಿಯೊಂದು ಮಾರ್ಗ
2. ಮೂರು ರೂಪದ ಸೂತ್ರ ಮಾತ್ರ ಮಾರ್ಗವನ್ನು ವಿವರಿಸಲಿ.
3. ಏರ್ಪಡೆಯವರ ಕೋರಿ ಅನುಭವವಾಗಿ ಮೂಲ ಮಾರ್ಗವನ್ನು ಸೂತ್ರ ಮಾತ್ರಿಕೆ.
4. ಸಾಂಬಂಧ ಪ್ರತಿಯೊಂದು ಸೂತ್ರದ ನಿರ್ದೇಶ ಮೂಲಕ ಮಾತ್ರ ಮೂಲೆ ಮಾತ್ರಿಕೆ.
SECTION B

5. Write notes on any *three* of the following in about 200 words each:
   (a) Copper deposits of India
   (b) Refractores
   (c) Ore beneficiation techniques
   (d) Types of soils

6. Give an account of the causes of landslides and suggest suitable remedial measures.

7. Write an essay on the important oil and natural gas fields in India.

8. Give an account of the iron ore deposits of India.
5. ಸಂಭಾರ ವಾಸ್ತುಶಾಸ್ತ್ರದ ಕೇಂದ್ರ ತಾಂತ್ರಿಕ ಅಭಿವೃದ್ಧಿಯಲ್ಲಿ, ತಾಂತ್ರಿಕರಾಗಿ ಮತ್ತು 200 ರಾಧಾಕೃಷ್ಣ ರಾಜಕೀಯ ತಂಡಿ : 

   (i) ಸಾಮಾನ್ಯ ಪ್ರಮಾಣಗಳು
   (ii) ಪರ್ಯಯಾಧಿಕಾರ (Refractories)
   (iii) ತಾಂತ್ರಿಕ ವಿಧಾನಗಳು ಪರೀಕ್ಷಣೆ (Ore beneficiation techniques)
   (iv) ಸಾಮಾನ್ಯ ಶಾಸ್ತ್ರ

6. ಅನುಗ್ರಹ ಸ್ಪರ್ಶ ಮತ್ತು ಸಂತಾಣಿ ಪಂದ್ಯ ಹಿಂದು ವಿಶೇಷ ಸ್ಪರ್ಶಗಳು ಹಾಸು ಹಾಸು.

7. ಅಂದರೆ ಸಂಭಾರ ಮತ್ತು ಸಂಬಂಧ ಪಂದ್ಯ ಪ್ರಕಾರ ಯಿಂದ ಸ್ವಂತತೆ ಮುಂದು ಮತ್ತು ಸ್ವಂತತೆ ಮುಂದು.

8. ಸ್ವಾತಂತ್ರ್ಯ ಪ್ರತಿ ವಿಧಾನ ಪ್ರಕಾರ ಮತ್ತು ಸ್ವಾತಂತ್ರ್ಯ.