

U.G. 2nd Semester Examination - 2021

GEOGRAPHY**[HONOURS]****Course Code : GEO-H-CC-T-03****(Human Geography)****(New Syllabus Under CBCS)**

Full Marks : 30

Time : 1½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I****(Nature and Principles)****[Marks : 10]**

1. Answer any **five** from the following: $1 \times 5 = 5$
- Who are Homo Erectus?
 - What do you mean by cultural assimilation?
 - What is cultural lag?
 - Define space.
 - Differentiate community from population.

[Turn over]

- Mention any two contemporary relevances Human Geography.
- Name any two traits of racial group.
- What is cultural core?

2. Answer any **one** from the following: $5 \times 1 = 5$
- Give a brief outline of the concept of society.
 - Highlight the major variables for delineation of the cultural realms of the world.
 - State the significances of cultural diffusion.

UNIT-II**(Society, Demography and Ekistics)****[Marks : 20]**

3. Answer any **five** from the following: $1 \times 5 = 5$
- What is secondary sex ratio?
 - Distinguish between transhumance and nomadic pastoralism.
 - What is amorphous settlement?
 - What is demographic transition?
 - Mention any two demerits of urban society.
 - What is human ecology?
 - What is zero population growth?

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(2)

- Give any two salient features of subsistence farming.

4. Answer any **one** from the following: $5 \times 1 = 5$
- State the salient characteristics of Brazilian type population-resource region.
 - Distinguish between nucleated and dispersed settlements with necessary illustrations.
 - Give the concept of population-environment conflict.
5. Answer any **one** from the following: $10 \times 1 = 10$
- Discuss any two functional classifications of urban settlement.
 - Bring out the major determining factors of rural house type in India with examples.
 - Make a brief account for the growth and distribution of population in developing countries.

U.G. 2nd Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-04

(Cartograms, Survey and Thematic Mapping)

(New Syllabus Under CBCS)

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** questions from the following:

1×5=5

- i) What is *pie diagram*?
- ii) What is meant by *contour map*?
- iii) Why is scale significant in a map?
- iv) Define *bench mark*.
- v) What is *true bearing*?
- vi) Define *vernier constant*.
- vii) What is *Transit Theodolite*?
- viii) Why is Abneys Level used?

[Turn over]

2. Answer any **one** question: 5×1=5

- i) Differentiate isopleth map from choropleth map.
- ii) Distinguish between climograph and hythergraph.
- iii) Differentiate whole-circle bearing from reduced bearing.

3. Answer any **one** question: 10×1=10

- i) Give the concept of Thematic Maps with examples. 10
- ii) State advantages of the following survey equipments: $2\frac{1}{2} \times 4 = 10$
 - a) Clinometer
 - b) Prismatic Compass
 - c) Dumpy Level
 - d) Transit Theodolite
- iii) Give the concept of land use and land cover map with necessary illustrations. 10

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U.G. 2nd Semester Examination - 2021

GEOGRAPHY
[PROGRAMME]

Course Code : GEO-G-CC-T-02

(Climatology, Soil and Biogeography)

[NEW SYLLABUS under CBCS]

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** from the following: 1×5=5

যে-কোনো প্রশ্নের উত্তর দাও :

a) What do you mean by air pollution?

বায়ুদূষণ বলতে কী বোঝ?

b) Name two forms of precipitation.

অধঃক্ষেপনের দুটি রূপের নাম উল্লেখ কর।

c) Give definition of soil pH.

মৃত্তিকার pH-এর সংজ্ঞা দাও।

[Turn Over]

d) Define ecology.

ইকোলজির সংজ্ঞা দাও।

e) Name the chemical components of atmosphere.

বায়ুমণ্ডলের রাসায়নিক উপাদানগুলির নাম লেখ।

f) Give definition of natural habitat.

প্রাকৃতিক বাসস্থানের সংজ্ঞা দাও।

g) What is ozone layer?

ওজোন স্তর কী?

h) Give two examples of liquid waste.

তরল বর্জ্যপদার্থের দুটি উদাহরণ দাও।

2. Answer any **one** from the following: 5×1=5

যে-কোনো প্রশ্নের উত্তর দাও :

a) Discuss the heat balance of the earth.

পৃথিবীর তাপীয় সাম্যতা আলোচনা কর।

b) Identify the causes of air pollution.

বায়ুদূষণের কারণগুলি চিহ্নিত কর।

c) Mention the principles of an ecosystem.

একটি বাস্তুতন্ত্রের নীতিগুলি উল্লেখ কর।

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3. Answer any **one** from the following: 10×1=10

যে-কোনো প্রশ্নের উত্তর দাও :

a) Critically analyse the climatic classification of Koppen.

সমালোচনাসহ কোপেনের জলবায়ুগত শ্রেণীবিন্যাস বিশ্লেষণ কর।

b) Explain the formation of lateritic soils.

ল্যাটেরাইট মৃত্তিকার উৎপত্তি ব্যাখ্যা কর।

c) Elaborate the formation of temperate cyclone with suitable diagrams.

উপযুক্ত চিত্রসহ নাতিশীতোষ্ণ মণ্ডলীয় ঘূর্ণাবর্তের উৎপত্তি বিশদে বর্ণনা কর।

U.G. 4th Semester Examination - 2021**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-8****(Regional Planning and Development)****(New Syllabus Under CBCS)**

Full Marks : 30

Time : 1½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I****(Regional Planning)****[Marks : 10]**

1. Answer any **five** from the following: 1×5=5
- What is urban agglomeration?
 - Distinguish between region and regional planning.
 - Define metro city in India.
 - Who propounded breaking-point analysis method?
 - What is flow analysis?

f) Mention the bases of agro-ecological zones in India.

g) What is multi-level planning in India?

h) Define formal region.

2. Answer any **one** from the following: 5×1=5

a) Give the concept of planning region in India.

b) Discuss the types of planning with suitable examples.

c) State the salient characteristics of Western Himalayas as an agro-ecological zone of India.

UNIT –II**(Regional Development)****[Marks: 20]**

3. Answer any **five** from the following: 1×5=5

a) Distinguish between core and periphery.

b) What is GNI?

c) What is rural-urban linkage?

d) What is transitional growth?

e) Differentiate the growth foci from growth pole.

f) What is dynamic propulsive firm?

g) Mention two indicators of regional imbalances in India.

- h) What is education index?
4. Answer any **one** from the following: $5 \times 1 = 5$
- a) Specify the significances of human development.
 - b) Give the concept of trickling down and polarization effect after Hirschman.
 - c) Comment on the application of core periphery theory in present day context.
5. Answer any **one** from the following: $10 \times 1 = 10$
- a) Discuss the changing concept of development with examples.
 - b) Critically evaluate the Cumulative Causation theory (Myrdal).
 - c) Discuss the growth foci model of Misra with criticisms.
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U.G. 4th Semester Examination - 2021**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-9****(Economic Geography)****(New Syllabus Under CBCS)**

Full Marks : 30

Time : 1½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I****(Concept)****[Marks : 10]**

1. Answer any **five** from the following: $1 \times 5 = 5$
- Name any two proponents of New Economic Geography.
 - What are linehaul costs?
 - What are terminal costs?
 - What is vertical integration?
 - What is consumption?
 - What are raw materials'?
 - What is product density?

[Turn Over]

h) What is exchange?

2. Answer any **one** from the following: $5 \times 1 = 5$
- Outline the concept of Economic Geography.
 - Give the concept of behavioral approach to Economic Geography.
 - Explain the concept of geographical inertia with examples.

UNIT-II**(Economic Activities)****[Marks: 20]**

3. Answer any **five** from the following: $1 \times 5 = 5$
- What is primary sector of economy?
 - What is trade?
 - Who are the blue collar workers?
 - What is footloose industry?
 - What is agro-forestry?
 - What are pelagic fishes?
 - What is technology park'?
 - What is community forestry?
4. Write short note on the following (any **one**): $5 \times 1 = 5$
- Mixed farming in Europe

- b) North-east Atlantic fishing zone
 - c) Social forestry
5. Answer any **one** from the following: 10×1=10
- a) Critically discuss the Weber's industrial location theory.
 - b) Distinguish between subsistence and commercial agriculture.
 - c) Elaborate the recent trends of cotton textile industry in USA.
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U.G. 4th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-10

(Environmental Geography)

(New Syllabus Under CBCS)

Full Marks : 20

Time : 1 Hour

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **five** questions from the following:

1×5=5

- i) What is environment?
- ii) Define ecotone.
- iii) What is biogeochemical cycle?
- iv) What is meant by environmental degradation?
- v) Where was Earth Summit-1992 organised?
- vi) What is meant by environmental issue?
- vii) What is meant by ozone depletion?
- viii) What is CDM in Kyoto Protocol?

2. Answer any **one** question from the following:

5×1=5

- i) What are the characteristics of an ecosystem?
- ii) State the causes of groundwater contamination.
- iii) Highlight the central theme of the Earth Summit-1992.

3. Answer any **one** question from the following:

10×1=10

- i) Critically analyse the challenges of contemporary urban environmental issues.
- ii) Discuss the concept of EIA with necessary illustrations.
- iii) Give a detailed account on Montreal Protocol.

U.G. 4th Semester Examination - 2021

GEOGRAPHY

[PROGRAMME]

Course Code : GEO-G-CC-T-04

Full Marks : 20

Time : 1 Hour

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **five** questions: 1×5=5

যে-কোনো পাঁচটি প্রশ্নের উত্তর দাও :

a) What is Ecotone?

Ecotone কি?

b) Distinguish between food chain and food web.

খাদ্য শৃঙ্খল এবং খাদ্য জালিকার মধ্যে পার্থক্য লেখ।

c) What is biomass?

জীবভর কি?

d) What is Ramsar Site?

Ramsar Site কি?

e) Define Environmental Geography.

পরিবেশগত ভূগোলের সংজ্ঞা দাও।

f) What is Ecology?

বাস্তুশাস্ত্র কি?

g) What is environmental deterministic approach?

পরিবেশগত নিয়ন্ত্রণ মতবাদ কি?

h) Define biosphere.

জীবমণ্ডলের সংজ্ঞা দাও।

2. Answer any **one** question: 5×1=5

যে-কোনো একটি প্রশ্নের উত্তর দাও :

a) Write about the scope of Environmental Geography.

পরিবেশগত ভূগোলের ব্যাপ্তি সম্পর্কে লেখ।

b) What are the effects of water pollution?

জল দূষণের প্রভাব কি কি?

c) Mention the impact of human activities on mountain environment.

পার্বত্য পরিবেশের উপর মানুষের কার্যাবলীর প্রভাব উল্লেখ কর।

3. Answer any **one** question: 10×1=10

যে-কোনো **একটি** প্রশ্নের উত্তর দাও :

a) Describe the major strategies for reducing air pollution.

বায়ুদূষণ কমানোর মুখ্য উপায়গুলি বর্ণনা কর।

b) Discuss the human-environment relationship in coastal regions.

উপকূলীয় অঞ্চলে মানব-পরিবেশ সম্পর্ক আলোচনা কর।

c) Analyse the structure and functions of ecosystem.

বাস্তুতন্ত্রের গঠন ও কার্যাবলী ব্যাখ্যা কর।

U.G. 4th Semester Examination - 2021

GEOGRAPHY

[PROGRAMME]

Skill Enhancement Course (SEC)

Course Code : GEO-G-SEC-P-02(A)

Advance Spatial Statistical Techniques

[PRACTICAL]

Full Marks : 40

Time : 4 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all the questions.

1. State the significance of sampling distribution. 5
2. State the definition of probability. What is Exhaustive events? 2+3=5
3. Mention the basic properties of normal distribution. 5
4. Distinguish between correlation and regression. 5

5. Write short notes on the following (any **four**) :

$2\frac{1}{2} \times 4 = 10$

- a) Standard error
- b) Linear trend
- c) Spatial data
- d) Skewness
- e) Non-spatial data
- f) Cyclic variations in time series.
- g) Moving average method.

6. Laboratory Note Book and Viva Voce. 5+5=10

U.G. 4th Semester Examination - 2021

GEOGRAPHY

(Programme)

Course Code- GEO/G/CC/ P/04

(Field Work)

(New Syllabus Under CBCS)

(PRACTICAL)

Full Marks: 20

Time: 2 Hours

Answer all the questions

1. Prepare a questionnaire for the assessment of challenges of Air pollution in relation to field survey in your area. 10
2. Laboratory note book and Viva- voice. 5+5= 10

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U.G. 6th Semester Examination - 2021**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-13****(Evolution of Geographical Thoughts)****[NEW SYLLABUS under CBCS]**

Full Marks : 60

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I****(Nature of Pre-Modern Geography)****[Marks : 20]**

1. Answer any **three** from the following: $2 \times 3 = 6$
- What is weocratic approach?
 - Differentiate deductive from inductive methods.
 - What is chorography?
 - What is neodeterminism?
 - Distinguish between ideographic and nomothetic approaches.

[Turn Over]

2. Answer any **one** from the following: $4 \times 1 = 4$
- Specify the impact of 'Dark Age' on Geography.
 - Discuss the contribution of Columbus in Geographical studies.
3. Answer any **one** from the following: $10 \times 1 = 10$
- Elucidate the salient characteristics of dualism between Physical and Human Geography.
 - Bring out the development of pre-modern Geography in India.

UNIT-II**(Foundations of Modern Geography and Recent Trends)****[Marks : 40]**

4. Answer any **seven** from the following: $2 \times 7 = 14$
- What is social determinism?
 - What is 'Cosmos'?
 - Who defined Geography as Human Ecology?
 - Define Feminist Geography.
 - How does British school distinguish from American School of Geographical thought?

- f) Why is Hettner famous?
- g) What is 'Erdkunde'?
- h) What is chorology?
- i) What is 'pays'?
- j) Define postmodernism.
- k) What is 'lebensraum'?

- b) Compare the contributions of Humbolt and Ritter in Geographical studies.

5. Answer any **four** from the following: $4 \times 4 = 16$

- a) Discuss the notion of radicalism in Geographical studies.
- b) State the significance of quantitative revolution in Geography.
- c) Trace out the perspectives of behaviouralism in Geography with examples.
- d) Analyse the concept of space in Geography.
- e) State the contribution of Mackinder in Geography.
- f) Highlight the salient characteristics of eco-feminism.

6. Answer any **one** from the following: $10 \times 1 = 10$

- a) Discuss the major contribution of French Schools of Geographical thought.

U.G. 6th Semester Examination - 2021**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-14****(Disaster Management)****[NEW SYLLABUS under CBCS]**

Full Marks : 40

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I****(Concepts)****[Marks : 20]**

1. Answer any **three** questions: 2×3=6
- i) Define *natural hazard*.
 - ii) What is meant by *geological hazard*?
 - iii) What is *vulnerability*?
 - iv) When does a *hazard* become *disaster*?
 - v) What is meant by *capacity building* in hazard study?

[Turn Over]

2. Answer any **one** question: 4×1=4
- i) State the *risk perception* approach in hazard study.
 - ii) Highlight the advantages of *hazard mapping*.
3. Answer any **one** question: 10×1=10
- i) Give a detailed classification of hazards and disasters.
 - ii) Discuss different hazard paradigms with necessary illustrations.

UNIT-II**(Disaster Case Studies)****[Marks : 20]**

4. Answer any **three** questions: 2×3=6
- i) What is *earthquake*?
 - ii) Which are the most earthquake prone areas in India?
 - iii) Which hazards are commonly found in Sundarban region?
 - iv) What is *wildlife*?
 - v) Which areas are mostly affected by forest fire hazards?

5. Answer any **one** question: $4 \times 1 = 4$

- i) State the consequences of landslides in hilly areas.
- ii) Bring out the vulnerable impacts of earthquake.

6. Answer any **one** question: $10 \times 1 = 10$

- i) Prepare a disaster management plan for tropical cyclone over coastal areas.
 - ii) Write a short note on vulnerability and management strategies of fire disaster.
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U.G. 6th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-03A

(Fluvial Geomorphology)

[NEW SYLLABUS under CBCS]

Full Marks : 60

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **ten** questions: 2×10=20
- a) Define fluvial geomorphology.
 - b) What is channel pattern?
 - c) State the components of runoff?
 - d) What is braided channel?
 - e) Define point bar.
 - f) What is drainage basin?
 - g) What is relief ratio (Schumn, 1956)?
 - h) Define hypsometric curve.

- i) What is meant by morphometric analysis of river basin?
- j) Distinguish between alluvial fan and alluvial cone.
- k) What is river terrace?
- l) Give two examples of arcuate delta.
- m) Define watershed.
- n) What is river bank erosion?
- o) Name two factors responsible for river bank erosion.

2. Answer any **four** questions: 5×4=20
- a) Highlight the importances of the study of fluvial geomorphology in Geography.
 - b) Give the concept of fluvial hydro-system.
 - c) Why is drainage basin considered as an important hydrological unit?
 - d) Mention Horton's stream laws.
 - e) State the salient features of badland topography.
 - f) Comment on different management strategies of river bank erosion.

3. Answer any **two** questions: $10 \times 2 = 20$
- a) Elaborate the concept of run off cycle with suitable diagrams. 10
 - b) Discuss the linear properties for morphometric analysis of drainage basin. 10
 - c) Enumerate the major accretional landforms in fluvial landscape with suitable diagrams. 10
 - d) Discuss the objectives and important strategies of integrated watershed management. 4+6

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-03B

(Resource Geography)

[NEW SYLLABUS under CBCS]

Full Marks : 60 Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

UNIT-I

[Marks : 30]

1. Answer any **five** questions from the following:

2×5=10

- a) Define resources.
- b) What do you mean by functionability of resources?
- c) What is neutral staff?
- d) Define resource recycling.

- e) What is phantom pile?
- f) Mention two reasons for forest depletion.
- g) Define fossil fuel.
- h) What is protected forest?

2. Answer any **two** questions from the following:

5×2=10

- a) Distinguish between flow and fund resource.
- b) Give the concept of resource perception with examples.
- c) Write a short note on water pollution.
- d) Specify the conventional approaches to resource utilization.

3. Answer any **one** question from the following:

10×1=10

- a) Critically explain the need and significance of conservation of natural resources.
- b) Classify resources with examples.

UNIT-II

[Marks : 30]

4. Answer any **five** questions from the following:

2×5=10

- a) Define sustainable development.
- b) What is meant by energy crisis?
- c) Distinguish between conventional and non-conventional resource.
- d) Write down the uses of Bauxite.
- e) Where is the biggest reserve of mica in India?
- f) Specify any two problems of iron ore industry in India.
- g) Specify any two reasons behind the concentration of hydel power plant in southern part of India.
- h) Mention any two uses of Gypsum.

5. Answer any **two** questions from the following:

5×2=10

- a) What are the causes of energy crisis?
- b) Highlight the problems and management

procedure of conventional energy resources.

c) Briefly describe the distribution of thermal electricity plants in India.

d) Write a short note on OPEC.

6. Answer any **one** question from the following:

10×1=10

a) Briefly discuss different type of non-conventional energy resources with advantages and disadvantages.

b) Illustrate the distribution and factors of location of iron and steel industry in Japan.

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-04A

(Soil and Bio Geography)

[NEW SYLLABUS under CBCS]

Full Marks : 60

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **ten** questions: 2×10=20
- i) Define *soil*.
 - ii) Define *podzol soil*.
 - iii) What is *soil texture*?
 - iv) What is *wilting point*?
 - v) What is meant by *organic matter* in soil?
 - vi) What is meant by NPK in soil?
 - vii) Write the full form of USDA.
 - viii) Define *ecology*.

- ix) Define *ecotone*.
- x) Who are *carnivores*?
- xi) Define *biome*.
- xii) Why are temperate grasslands observed generally in the middle of the continents?
- xiii) Mention the geographical location of Taiga biome.
- xiv) Define *bio-geochemical cycle*.
- xv) What is *biodiversity loss*?

2. Answer any **four** questions: 5×4=20
- i) Give the concept of *soil horizon*.
 - ii) Illustrate *soil pH*.
 - iii) State the concept of *land capability*.
 - iv) Differentiate *food chain* from *food web*.
 - v) Mention the significances of *nitrogen cycle*.
 - vi) Bring out the threats to biodiversity.
3. Answer any **two** questions: 10×2=20
- i) Discuss soil orders and their major characteristics according to USDA soil taxonomy.

- ii) Illustrate the causes, consequences and mitigation measures of soil degradation.
- iii) Give an account of the tropical rain forest biome with necessary illustrations.
- iv) Bring out the causes, consequences and management of deforestation.

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-04B

(Agricultural Geography)

[NEW SYLLABUS under CBCS]

Full Marks : 60 Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

UNIT-I

[Marks : 20]

1. Answer any **three** questions from the following:

2×3=6

- a) Define agriculture.
- b) What is nomadic herding?
- c) What is shifting cultivation?
- d) What is horticulture?
- e) What is apiculture?

[Turn Over]

2. Answer any **one** question from the following:

4×1=4

- a) Mention any four characteristics of plantation agriculture.
- b) Differentiate intensive subsistence agriculture from extensive commercial agriculture.

3. Answer any **one** question from the following:

10×1=10

- a) Discuss any two approaches to the study of Agricultural Geography.
- b) Analyse the major physical factors affecting agriculture with specific examples.

UNIT-II

[Marks : 40]

4. Answer any **seven** questions from the following:

2×7=14

- a) What is cropping pattern?
- b) What is gross cropped area?
- c) What is cropping intensity?
- d) What is crop combination?
- e) What is net cropped area?

- f) What is meant by agricultural productivity?
- g) What is meant by mono cropped area?
- h) What is landuse survey?
- i) What is sprinkler irrigation?
- j) What is drip irrigation?
- k) What is meant by land capability?

5. Answer any **four** questions from the following:

4×4=16

- a) Identify the major problems of rice farming system in South Asia.
- b) Highlight the factors affecting the crop yield.
- c) Mention any two techniques for measuring agricultural productivity.
- d) State the implications of crop rotation.
- e) Outline any two possible impacts of climate change on agriculture with reference to South Asian countries.
- f) Specify the links between agricultural production and food security.

6. Answer any **one** question from the following:

10×1=10

- a) Critically discuss the Von Thunen's model of agricultural land use.
- b) Analyse the impact of globalization on Indian agriculture.

U.G. 6th Semester Examination - 2021**GEOGRAPHY****[PROGRAMME]****Generic Elective (GE)****Course Code : GEO-G-GE-T-02****(Sustainable Development)****[NEW SYLLABUS under CBCS]**

Full Marks : 60

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **ten** questions: 2×10=20

যে-কোনো দশটি প্রশ্নের উত্তর দাও :

a) What are the three pillars of sustainability?

স্থিতিশীলতার তিনটি স্তম্ভ কী কী?

b) What is climate change hotspot?

Climate change hotspot কী?

c) What is meant by 'zero hunger'?

‘শূন্য ক্ষুধা’ বলতে কী বোঝায়?

d) What is inclusive development?

অন্তর্ভুক্তিমূলক উন্নয়ন কী?

e) What do you mean by the '3 Rs'?

'3 Rs' বলতে কি বোঝায়?

f) What is wetland ecosystem?

জলাভূমি বাস্তুতন্ত্র কী?

g) What is agroforestry?

কৃষি বনসৃজন কী?

h) What is goal based development?

লক্ষ্যভিত্তিক উন্নয়ন কী?

i) Define Sustainable Development.

স্থিতিশীল উন্নয়নের সংজ্ঞা লেখ।

j) What is IPCC?

IPCC কী?

k) What is 'green economy'?

‘সবুজ অর্থনীতি’ কী?

l) What is fragile ecosystem?

ভঙ্গুর বাস্তুতন্ত্র কী?

m) Define poverty.

দারিদ্র্যতার সংজ্ঞা দাও।

n) Name two greenhouse gases.

দুটি গ্রিনহাউস গ্যাসের নাম লেখ।

o) What is resource?

সম্পদ কী?

2. Answer any **four** questions: $5 \times 4 = 20$

যে-কোনো চারটি প্রশ্নের উত্তর দাও :

a) Write about the Good Governance for sustainable development.

স্থিতিশীল উন্নয়নের জন্য সুশাসন সম্পর্কে লেখ।

b) Write the major steps to achieve zero poverty in India.

ভারতে শূন্য দারিদ্র্যতা অর্জনের প্রধান পদক্ষেপগুলি লেখ।

c) How do technological innovations influence sustainable development?

প্রযুক্তিগত উদ্ভাবন কিভাবে স্থিতিশীল উন্নয়নকে প্রভাবিত করে?

d) What are the limitations of the concept of sustainable development?

স্থিতিশীল উন্নয়ন ধারণাটির সীমাবদ্ধতা কী?

e) Give the concept of sustainable regional resource development.

স্থিতিশীল অঞ্চলভিত্তিক সম্পদ উন্নয়নের ধারণা দাও।

f) Illustrate the concept of CDM.

CDM ধারণাটির ব্যাখ্যা দাও।

3. Answer any **two** questions: $10 \times 2 = 20$

যে-কোনো দুটি প্রশ্নের উত্তর দাও :

a) Discuss the impact of climate change on sustainable development.

স্থিতিশীল উন্নয়নের উপর জলবায়ু পরিবর্তনের প্রভাব আলোচনা কর।

b) What are the sustainable development goals? Describe them briefly.

স্থিতিশীল উন্নয়নের লক্ষ্যগুলি কি কি? সংক্ষিপ্তভাবে তাদের বর্ণনা কর।

c) State the major objectives of National Environmental Policy in India.

ভারতের জাতীয় পরিবেশগত নীতির প্রধান উদ্দেশ্যগুলি বিবৃত কর।

d) Discuss the main causes of poverty with suitable examples.

উপযুক্ত উদাহরণসহ দারিদ্র্যতার প্রধান কারণগুলি আলোচনা কর।

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[PROGRAMME]

Discipline Specific Elective (DSE)

Course Code : GEO-G-DSE-T-02A&B

[NEW SYLLABUS under CBCS]

Full Marks : 60

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all the questions from selected Option.

OPTION–A

GEO-G-DSE-T-02A

(Disaster Management)

1. Answer any **ten** questions: 2×10=20

যে-কোনো দশটি প্রশ্নের উত্তর দাও :

a) Define risk.

ঝুঁকির সংজ্ঞা দাও।

b) Define vulnerability.

বিপন্নতার সংজ্ঞা দাও।

c) Distinguish between focus and epicentre.

ভূমিকম্পের কেন্দ্র ও উপকেন্দ্রের মধ্যে পার্থক্য কর।

d) Distinguish between P-waves and S-waves of earthquake.

ভূমিকম্পের প্রাথমিক (P) তরঙ্গ ও গৌণ (S) তরঙ্গের মধ্যে পার্থক্য কর।

e) Define man-made disaster with example.

উদাহরণসহ মনুষ্যসৃষ্ট বিপর্যয়ের সংজ্ঞা দাও।

f) What is isoseismal line?

ভূমিকম্পের সমতীব্রতা রেখা কী?

g) Define landslide.

ভূমিধ্বসের সংজ্ঞা দাও।

h) What do you mean by relief work?

ত্রাণসামগ্রীর ব্যবস্থাপনা বলতে কি বোঝ?

i) What is meteorological drought?

জলবায়ুগত খরা কাকে বলে?

j) Name any two toxic chemicals.

যে-কোনো দুটি বিষাক্ত রাসায়নিক পদার্থের নাম উল্লেখ কর।

k) What is sheet erosion?

চাদর ক্ষয় কাকে বলে?

- l) Distinguish between earth flow and mud flow.
মাটির স্তুপ প্রবাহ ও কাদার প্রবাহের মধ্যে পার্থক্য উল্লেখ কর।
- m) What are the different names of tropical cyclone in the world?
পৃথিবীতে ত্রাণ্তীয় ঘূর্ণবাতের বিভিন্ন নামগুলি উল্লেখ কর।
- n) What is land degradation?
ভূমিক্ষয় কাকে বলে?
- o) What is quasi-natural hazards?
আধা-প্রাকৃতিক বিপর্যয় কী?

2. Answer any **four** questions: $5 \times 4 = 20$

যে-কোনো চারটি প্রশ্নের উত্তর দাও :

- a) Mention the parameters of vulnerability for vulnerability mapping.
বিপন্নতার মানচিত্রকরণে বিপন্নতার নির্ণায়ক সমূহের উল্লেখ কর।
- b) Distinguish between disaster and hazards.
দুর্যোগ ও বিপর্যয়ের মধ্যে পার্থক্য নির্ণয় কর।
- c) Explain the causes of landslide in the Eastern Himalayas.
পূর্ব-হিমালয় অঞ্চলে ভূমিধসের কারণ ব্যাখ্যা কর।

- d) Mention the causes for the formation of tropical cyclone.
ত্রাণ্তীয় ঘূর্ণবাত সৃষ্টির কারণগুলি উল্লেখ কর।
- e) Explain the causes and impact of Tsunami.
সুনামির কারণ ও প্রভাব ব্যাখ্যা কর।
- f) Describe the different types of hazards.
বিভিন্ন প্রকার দুর্যোগের বর্ণনা দাও।

3. Answer any **two** questions: $10 \times 2 = 20$

যে-কোনো দুটি প্রশ্নের উত্তর দাও :

- a) Analyse the causes of earthquake and mention the different earthquake intensity zones in India with the help of a map.
মানচিত্রের সাহায্যে ভারতবর্ষের ভূমিকম্পপ্রবণ অঞ্চলগুলি চিহ্নিত কর এবং ভূমিকম্পের কারণগুলি বিশ্লেষণ কর।
- b) Give an account for the causes, impact and distribution of flood in West Bengal with the help of a map.
মানচিত্রের সাহায্যে পশ্চিমবঙ্গের বন্যার কারণ, প্রভাব ও বণ্টন বর্ণনা কর।
- c) Elucidate the strategy of disaster management (pre-disaster, during and post-disaster period).

বিপর্যয় ঘটার আগে, বিপর্যয় ঘটার সময় ও বিপর্যয়ের পরবর্তী সময়ে বিপর্যয় মোকাবিলার কৌশল বা প্রক্রিয়াগুলি বর্ণনা কর।

- d) State the causes, impact and distribution of drought in India with the help of a map.

মানচিত্রের সাহায্যে ভারতের খরার কারণ, প্রভাব ও বণ্টন বিবৃত কর।

OPTION-B

GEO-G-DSE-T-02B

(Geography of Tourism)

1. Answer any **ten** questions: 2×10=20

যে-কোনো দশটি প্রশ্নের উত্তর দাও :

- a) Give the definition of pilgrimage tourism.
তীর্থ পর্যটনের সংজ্ঞা দাও।
- b) Name two cultural tourist spots in West Bengal.
পশ্চিমবঙ্গের দুটি সাংস্কৃতিক পর্যটক কেন্দ্রের নাম উল্লেখ কর।
- c) Define sustainable tourism.
স্থিতিশীল পর্যটনের সংজ্ঞা দাও।
- d) Mention the main factors of tourism infrastructure.
পর্যটন পরিকাঠামোর মূল বিষয়গুলি উল্লেখ কর।
- e) Name two adventure tourism centres from South India.
দক্ষিণ ভারতের দুটি adventure tourism কেন্দ্রের নাম লেখ।
- f) What do you mean by eco-tourism?
ইকোটুরিজম বলতে কী বোঝ?

- g) What is the scope of tourism in India?
ভারতবর্ষে পর্যটনের পরিধি কি?
- h) Distinguish between travel and tourism.
ভ্রমণ এবং পর্যটনের মধ্যে পার্থক্য উল্লেখ কর।
- i) What is meant by recreation?
বিনোদন বলতে কী বোঝায়?
- j) Define nature tourism.
প্রাকৃতিক পর্যটনের সংজ্ঞা দাও।
- k) Mention two negative impacts of tourism on local society.
স্থানীয় সমাজের উপর পর্যটনের দুটি ঋণাত্মক প্রভাব উল্লেখ কর।
- l) Name two sustainable tourism centres of India.
ভারতবর্ষের দুটি স্থিতিশীল পর্যটন কেন্দ্রের নাম উল্লেখ কর।
- m) What do you mean by leisure?
অবসর বলতে কী বোঝ?
- n) Mention two of the main features of regional tourism in India.
ভারতবর্ষে আঞ্চলিক পর্যটনের দুটি মূল বৈশিষ্ট্য উল্লেখ কর।
- o) What are the main differences between international tourism and domestic tourism?
আন্তর্জাতিক পর্যটন ও ঘরোয়া পর্যটনের মূল পার্থক্য কী?

2. Answer any **four** questions: 5×4=20
যে-কোনো চারটি প্রশ্নের উত্তর দাও :
- a) Mention the main features of National Tourism Policy of India.
ভারতবর্ষের জাতীয় পর্যটন নীতির মূল বৈশিষ্ট্যগুলি উল্লেখ কর।
- b) Identify the recent trends of tourism in India.
ভারতবর্ষে পর্যটনের সাম্প্রতিক প্রবণতাগুলি চিহ্নিত কর।
- c) Describe the problems of tourism in the desert areas of India.
ভারতবর্ষের মরু অঞ্চলের পর্যটনের সমস্যাগুলি ব্যাখ্যা কর।
- d) Mention the characteristics of cultural tourism in India.
ভারতবর্ষে সাংস্কৃতিক পর্যটনের বৈশিষ্ট্যগুলি উল্লেখ কর।
- e) Briefly discuss the geographical parameters of tourism after Robinson.
রবিনসন প্রদত্ত পর্যটনের ভৌগোলিক পরিমিতিগুলি সংক্ষেপে আলোচনা কর।
- f) Briefly elaborate the concepts of Meeting, Incentives, Conventions and Exhibitions (MICE).
Meeting, Incentives, Conventions and Exhibitions (MICE) ধারণাটি সংক্ষেপে ব্যাখ্যা কর।

3. Answer any **two** questions: 10×2=20

যে-কোনো দুটি প্রশ্নের উত্তর দাও :

a) Elaborate the present status and future prospects of tourism in the coastal regions of India.

ভারতবর্ষের উপকূলীয় অঞ্চলগুলিতে পর্যটনের বর্তমান অবস্থা এবং ভবিষ্যতের সম্ভাবনা সম্পর্কে ব্যাখ্যা কর।

b) Explain the impacts of tourism on environment and economy.

পরিবেশ এবং অর্থনীতিতে পর্যটনের প্রভাবগুলি ব্যাখ্যা কর।

c) 'Tourism is an industry'— elaborate the concept.

‘পর্যটন হল একটি শিল্প’— ধারণাটি ব্যাখ্যা কর।

d) Explain the main features of tourism developed in Himalayan region of India.

ভারতবর্ষের হিমালয় অঞ্চলে গড়ে ওঠা পর্যটনের মূল বৈশিষ্ট্যগুলি ব্যাখ্যা কর।

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[PROGRAMME]

Skill Enhancement Course (SEC)

Course Code : GEO-G-SEC-P-04A

**(Collection, Mapping and Interpretation of
Pedological Data)**

[NEW SYLLABUS under CBCS]

[PRACTICAL]

Full Marks : 40

Time : 4 Hours

The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers in their
own words as far as practicable.*

1. Answer any **two** questions from the following:

15×2=30

- a) Give the concept of ternary diagram. How do you use a ternary diagram to read the soil texture? 5+10=15
- b) What are the procedures of soil sample collection? Describe the steps of processing and storage of a soil sample. 5+10=15

c) Define soil pH. Discuss the role of soil pH and organic matter in plant growth.

5+10=15

d) Bring out the significances of soil mapping. State the procedure of estimation of NPK availability using soil kit. 5+10=15

2. Laboratory Notebook and viva voce. 5+5=10

U.G. 6th Semester Examination - 2021**GEOGRAPHY****[PROGRAMME]****Skill Enhancement Course (SEC)****Course Code : GEO-G-SEC-P-04B****(Rocks and Minerals and their Megascopic Identification)****[NEW SYLLABUS under CBCS]****[PRACTICAL]**

Full Marks : 40

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **two** questions from the following:

15×2=30

- a) Define rock. Classify igneous rocks with example. 3+12=15
- b) Define mineral. Give an account of the types and characteristics of minerals. 3+12=15
- c) Write short notes on: 3×5=15
- i) Laminae

[Turn Over]

ii) Bedding plane

iii) Contact metamorphism

iv) Laccoliths

v) Schistosity

d) Mention the identifying characteristics of the following minerals: 3×5=15

i) Feldspar

ii) Mica

iii) Calcite

iv) Haematite

v) Chalcopyrite

2. Laboratory Notebook and viva voce. 5+5=10

OR

Mention the identifying characteristics of the following rocks: 2×5=10

i) Granite

ii) Shale

iii) Sandstone

iv) Quartzite

v) Gneiss