EXAM YEAR-2021

SEMESTER-I, III, V, VI
PART-III

U.G. 1st Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-01

(Geotectonics and Geomorphology)

[NEW SYLLABUS under CBCS]

Full Marks : 60　　　　　　Time : $2\frac{1}{2}$ 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–1

(Geotectonics)

[Marks : 20]

1. Answer any **three** from the following:　2×3=6

   a)　What is Rayleigh wave?

   b)　Define reverse fault.

   c)　What is meant by the term line of compensation in isostasy?

   d)　What is fault scrap?

   e)　What is dip?

[Turn Over]

2. Answer any **one** from the following:　4×1=4

   a)　Give the concept of Benioff zone.

   b)　Mention the major characteristics of Cenozoic Era.

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

   a)　Give the characteristics of major types of folds with suitable diagrams.

   b)　Discuss the salient features of the earth's interior with special reference to seismic waves.

UNIT–2

(Geomorphology)

[Marks : 40]

4. Answer any **seven** from the following:　2×7=14

   a)　What is tombolo?

   b)　What is stack?

   c)　What is nunatak?

   d)　What is zeugen?

   e)　Define stream piracy.

   f)　What is rejuvenation?

g)   What is oxidation?

h)   What is soil creep?

i)   What is incised meander?

j)   What is mudflow?

k)   Define graded river.

5.   Answer any **four** from the following: 4×4=16

a)   Outline the formation of loess.

b)   Specify any two scopes of Geomorphology.

c)   Explain exfoliation weathering with diagram.

d)   Distinguish between pediment and bajada.

e)   Explain the formation of drumlins.

f)   Differentiate abrasion from corrosion.

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

a)   Illustrate the Penck model of landscape evolution with suitable diagrams.

b)   Discuss the major erosional landforms produced in Karst region with suitable diagrams.

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U.G. 1st Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Course Code : GEO-H-CC-T-02
(Cartographic Techniques and Geological Map Study)
[NEW SYLLABUS under CBCS]

Full Marks : 40   Time : $2\frac{1}{2}$ 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 **five** from the following: 2×5=10

   a) What is bedding plane?

   b) Mention the advantage of diagonal scale.

   c) What is standard parallel?

   d) Differentiate dip from strike.

   e) Define Geoid.

   f) What is constant of cone?

   g) What is throw?

   h) Write two salient characteristics of Magnetite.

2. Answer any **two** from the following: 5×2=10

   a) Mention the advantages and disadvantages of comparative scale of map.

   b) State about the unconformity in geological records.

   c) Specify the identifying characteristics of Quartz and Mica.

   d) Bring out the differences in reference scheme of old and open series toposheet of SOI.

3. Answer any **two** from the following: 10×2=20

   a) Classify the map projections mentioning their bases and properties.

   b) Discuss the nature of Cartography and comment on its relation with Geography.

   c) Trace out the characteristic and significance of UTM Projection.

   d) Make a brief account on thematic maps.

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U.G. 1st Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-P-02

(Cartographic Techniques and Geological Map Study)

[NEW SYLLABUS under CBCS]

[PRACTICAL]

Full Marks : 20   Time : 2 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. a)   Draw a vernier scale to read 9.92 inches when least count of the main scale is 0.2 inch and 9 small main scale divisions to 10 small vernier scale divisions.   4

   b)   Draw graticule on Simple Conical Projection with one standard parallel for an area extending from 10°S to 50°S and 30°W to 90°W at 10° interval on a scale of 1:120,000,000.   6

2.   Laboratory Note Book and Viva-voce.   5+5=10

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U.G. 1st Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Generic Elective Course (GE)
Course Code : GEO-H-GE-T-01(A)
(Disaster Management)
[NEW SYLLABUS under CBCS]

Full Marks : 60   Time : $2\frac{1}{2}$ 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) Mention the earthquake measuring scale.

   ভূমিকম্প পরিমাপক স্কেলের নাম উল্লেখ কর।

   b) Define vulnerability.

   বিপন্নতার সংজ্ঞা দাও।

   c) What do you mean by risk?

   ঝুঁকি বলতে কি বোঝ?

   d) What is shadow zone of earthquake?

   ভূমিকম্পের ছায়া অঞ্চল কাকে বলে?

   e) What is seismogram?

   সিসমোগ্রাম বা ভূকম্প পরিলেখ কী?

   f) What do you mean by hazard perception?

   দুর্যোগ সম্পর্কে চেতনা বলতে কি বোঝ?

   g) Define hydrographs.

   হাইড্রোগ্রাফের সংজ্ঞা দাও।

   h) Distinguish between earthflow and mud flow.

   মৃত্তিকা প্রবাহ ও কর্দম প্রবাহের মধ্যে পার্থক্য উল্লেখ কর।

   i) Define slump.

   স্লাম্পের সংজ্ঞা দাও।

   j) What is disaster preparedness?

   বিপর্যয় প্রস্তুতি বলতে কি বোঝ?

   k) What is Quasi-natural hazards?

   আধা-প্রাকৃতিক বিপর্যয় কাকে বলে?

   l) What is land degradation?

   ভূমি অবক্ষয় কাকে বলে?

   m) What are the different names of tropical cyclone in the world?

   পৃথিবীতে ক্রান্তীয় ঘূর্ণবাতের বিভিন্ন নামগুলি কি কি?

   n) Distinguish between P-waves and S-waves.

   প্রাথমিক তরঙ্গমালা ও গৌণ তরঙ্গমালার মধ্যে পার্থক্য উল্লেখ কর।

o) What do you mean by disaster mitigation?

বিপর্যয় উপশম বলতে কি বোঝ?

2. Answer any **four** questions: 5×4=20

যে-কোনো **চারটি** প্রশ্নের উত্তর দাও ঃ

a) Explain the causes and impacts of drought.

খরার কারণ ও প্রভাব বর্ণনা কর।

b) Bring out the impact of Bhopal gas tragedy in 1984.

1984-এর ভোপাল গ্যাস দুর্ঘটনার প্রভাব বর্ণনা কর।

c) Explain the causes of landslide in the Eastern Himalayas.

পূর্ব-হিমালয় অঞ্চলে ভূমিধ্বসের কারণ ব্যাখ্যা কর।

d) Discuss the different types of hazards.

বিভিন্ন প্রকার দুর্যোগের বর্ণনা দাও।

e) Define Tsunami and explain the causes of Tsunami.

সুনামি কাকে বলে? সুনামি সৃষ্টির কারণ ব্যাখ্যা কর।

f) Mention the parameters of vulnerability for vulnerability mapping.

বিপন্নতার মানচিত্রকরণে বিপন্নতার নির্ণায়ক সমূহের উল্লেখ কর।

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

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a) Explain the causes, impact and distribution of flood in West Bengal in 2000 with help of map.

মানচিত্রের সাহায্যে পশ্চিমবঙ্গের 2000 সালের বন্যার বণ্টন, কারণ ও প্রভাব ব্যাখ্যা কর।

b) Explain 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 ব্যাখ্যা কর।

c) Explain the causes of earthquake and also mention the different earthquake intensity zone with help of map in India.

মানচিত্রের সাহায্যে ভারতবর্ষের ভূমিকম্পপ্রবণ অঞ্চলগুলি উল্লেখ কর ও ভূমিকম্পের কারণগুলি ব্যাখ্যা কর।

d) Explain the causes, distribution and problems of soil erosion in India.

ভারতবর্ষের মৃত্তিকা ক্ষয়ের কারণ, বণ্টন ও সমস্যা ব্যাখ্যা কর।

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U.G. 1st Semester Examination - 2020
GEOGRAPHY
[PROGRAMME]
Course Code : GEO-G-CC-T-01
(Geotectonics and Geomorphology)
[NEW SYLLABUS under CBCS]

Full Marks : 40   Time : $2\frac{1}{2}$ 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 **five** from the following questions:

                                            2×5=10

নিম্নলিখিত প্রশ্নগুলির যে-কোনো **পাঁচটির** উত্তর দাও ঃ

a) Name the major constituent elements of the core of the earth.

পৃথিবীর কেন্দ্রমন্ডলের প্রধান উপাদানগুলির নাম লেখ।

b) Name the major earthquake waves that helps to determine the internal structure of the earth.

পৃথিবীর অভ্যন্তরীণ গঠন নির্ণয়ে যেসব মূল ভূমিকম্প তরঙ্গগুলি সাহায্য করে তাদের নাম লেখ।

c) What is exfoliation?

শল্কমোচন কাকে বলে ?

d) What is a transform fault boundary?

পরিবর্তনশীল চ্যুতি সীমান্ত কাকে বলে ?

e) What is a pyramidal peak? Give one example.

পিরামিড চূড়া কাকে বলে ? একটি উদাহরণ দাও।

f) Why do plates move?

পাত সঞ্চালনের কারণ কি ?

g) Define cold wall.

হিমপ্রাচীরের সংজ্ঞা দাও।

h) Where are sargasso seas formed?

শৈবাল সাগর কোথায় গড়ে ওঠে ?

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

                                            5×2=10

নিম্নলিখিত প্রশ্নগুলির যে-কোনো **দুটির** উত্তর দাও ঃ

a) Briefly describe the different types of fluvial erosional process.   5

সংক্ষেপে নদীর বিভিন্ন ধরনের ক্ষয়কার্যের প্রক্রিয়া বর্ণনা কর।

b) Define moraine. Describe its different types.
                                            1+4=5

গ্রাবরেখার সংজ্ঞা দাও। এর বিভিন্ন প্রকারভেদগুলির বর্ণনা দাও।

c) Describe briefly the hydrological cycle. 5

সংক্ষেপে জলচক্রের বর্ণনা দাও।

d) Highlight the ocean bottom relief features.

5

সমুদ্রতলের ভূমিরূপ সমূহের বর্ণনা দাও।

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

10×2=20

নিম্নলিখিত প্রশ্নগুলির যে-কোনো **দুটির** উত্তর দাও ঃ

a) Define weathering. How does weathering differ from denudation? Describe the major landforms produced by chemical weathering.

2+2+6=10

আবহবিকারের সংজ্ঞা দাও। নগ্নীভবনের সঙ্গে এর পার্থক্য কি? রাসায়নিক আবহবিকারের দ্বারা গঠিত ভূমিরূপগুলির বর্ণনা দাও।

b) Describe with suitable diagrams the major landforms evolved around convergent and divergent plate margins. 10

উপযুক্ত চিত্র সহযোগে অভিসারী ও প্রতিসারী পাতসীমান্তে গড়ে ওঠা ভূমিরূপ সমূহের বর্ণনা দাও।

c) Discuss the concept of fluvial cycle of erosion as proposed by Davis. 10

ডেভিস প্রবর্তিত ক্ষয়চক্রের বিষয়ে আলোচনা কর।

d) Describe with suitable illustrations the erosional landforms developed in arid regions.

10

শুষ্ক অঞ্চলে গড়ে ওঠা ক্ষয়জাত ভূমিরূপগুলি উপযুক্ত চিত্রসহ বর্ণনা কর।

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U.G. 3rd Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Course Code : GEO-H-CC-T-05
(Climatology)
New Syllabus under CBCS

Full Marks : 60   Time : $2\frac{1}{2}$ 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

(Elements of the Atmosphere)

(Marks : 20)

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

$2\times3=6$

   a) State the importance of ozone layer.

   b) Differentiate insolation from radiation.

   c) What is temperature anomaly?

   d) What is meant by tropopause?

   e) what is a albedo?

[Turn over]

2. Answer any **one** of the following questions : $4\times1=4$

   a) Explain the greenhouse effect in brief.

   b) Highlight the salient characteristics of frontal inversion.

3. Answer any **one** of the following questions :

$10\times1=10$

   a) Elucidate the major controlling factors of insolation.

   b) Make a detail account of the horizontal distribution of temperature of earth's atmosphere.

UNIT-II

(Atmospheric Phenomena, Climate Change and Climatic Classification)

(Marks : 40)

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

$2\times7=14$

   a) What is eye of the cyclone?

   b) What is smog?

   c) Define coriolis force.

   d) What is cloud burst?

   e) Define moisture index.

f) Differentiate the dry from wet adiabatic lapse rate.

g) Distinguish between cyclone and anti-cyclone.

h) What is monsoon trough?

i) Define baroclinic conditions.

j) What is hygroscopic nuclei?

k) Why is horse latitude dry and calm?

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

$$4\times4=16$$

a) Discuss the determining factors of condensation process.

b) Explain the collision-covalescence mechanism of precipitation in brief.

c) Highlight the salient features of atmospheric instability.

d) State the influence of front on weather.

e) Mention the major preconditions for the formation of tropical cyclone.

f) Specify the effect of EI-Nino on Indian monsoon.

6. Answer any **one** of the following questions :

$$10\times1=10$$

a) Critically evaluate the global climatic classification after Köppen.

b) Give an account of air mass classification mentioning their bases.

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U.G. 3rd Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Course Code : GEO-H-CC-T-06
(Statistical Methods in Geography)
[New Syllabus under CBCS]

Full Marks : 40   Time : $2\frac{1}{2}$ 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

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

$$2\times3=6$$

   a)   What is discrete data?

   b)   Give any two examples of continuous data.

   c)   What is binary data?

   d)   What is class width?

   e)   What is class frequency?

2. Answer any **one** of the following questions : $4\times1=4$

   a)   Define and specify the significance of purposive sampling.

   b)   Mention the major sources of primary data.

3. Answer any **one** of the following questions :

$$10\times1=10$$

   a)   Discuss the basic properties of normal distribution with suitable diagram.

   b)   Illustrate the significance and methods of systematic and stratified samplings.

UNIT-II

4. Answer any **three** of the following questions :

$$2\times3=6$$

   a)   What is central tendency?

   b)   What is range?

   c)   What is meant by regression?

   d)   What is correlation?

   e)   What is unimodal distribution?

5. Answer any **one** of the following: 4×1=4

   a) Write the significance of coefficient of variation.

   b) Specify different partition values with suitable examples.

6. Answer any **one** of the following questions :

                                              10×1=10

   a) Discuss the major advantages and disadvantages of mean and median.

   b) Make comparisons between rank correlation and product moment correlation.

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Table-1. Rainfall with days

Rainfall (mm)	Frequency (days)
51 - 70	9
71 - 90	13
91 - 110	17
111 - 130	29
131 - 150	21
151 - 170	13
171 - 190	10
191 - 210	8
211 - 230	11
231 - 250	6

U.G. 3rd Semester Examination - 2020

GEOGRAPHY

[HONOURS]
Course Code : GEOH-CC-P-06
(Statistical Methods in Geography)
[PRACTICAL]

Full Marks : 20   Time : 2 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. Calculate mean and median from the following dataset (Table-1):   3+3=6

2. Calculate coefficient of variation from the given dataset (Table-1).   4

3. Laboratory note book and viva voce.   5+5=10

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U.G. 3rd Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-07

(Geography of India & West Bengal)

[New Syllabus under CBCS]

Full Marks : 60   Time : $2\frac{1}{2}$ 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-1

(Geography of India)

[Marks : 40]

1. Answer any **seven** of the following questions:

$2\times7=14$

i) What is meant by *hotspot* in geological studies?

ii) What is *Deccan Trap*?

iii) Define *saline soil*.

iv) What is *retreating monsoon*?

v) Define *ethnicity*.

vi) What is meant by *HYV seed*?

vii) Name two coal mining regions in India.

[Turn over]

viii) Name two automobile industries in India.

ix) Who is considered as the father of Green Revolution in India?

x) Define resource.

xi) Where is Bombay High?

2. Answer any **four** of the following questions:

$4\times4=16$

i) Bring out the physiographic characteristics of Northern Plains in India.

ii) Highlight the vegetation characteristics of Indian deserts.

iii) Why is Indian Sunderban region specific?

iv) Identify the consequences of Green Revolution in India.

v) Why is Chota Nagpur Plateau region famous?

vi) Examine the reasons behind development of Information Technology in India.

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

$10\times1=10$

i) Write a short note on population distribution and growth in India.

ii) Discuss in brief about Indian agricultural regions with necessary illustrations.

UNIT-2

(Geography of West Bengal)

[Marks : 20]

4. Answer any **three** questions: 2×3=6

   i)   Where is Rarh region in West Bengal?

   ii)   Name four rivers flowing over the northern part of West Bengal.

   iii)   Where are oxbow lakes observed in West Bengal?

   iv)   Give two reasons behind the industrial development at Haldia.

   v)   Specify two major reasons behind the high population density in the district of North 24-Paraganas in West Bengal.

5. Answer any **one** question: 4×1=4

   i)   Describe the natural physiography of the coastal belt in West Bengal.

   ii)   Why is tourism industry developed in Darjeeling?

6. Answer any **one** of the following :   10×1=10

   i)   Analyse the favourable conditions and problems of agriculture in West Bengal.

   ii)   Discuss about challenges and prospects of regional development in the districts of Nadia and Murshidabad.

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U.G. 3rd Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Skill Enhancement Course (SEC)
Course Code : GEO-H-SEC-P-01/A
(Computer Basics and Computer Applications)
[PRACTICAL]
[New syllabus under CBCS]

Full Marks : 40   Time : 2 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. a) What is a binary number?

    b) Distinguish between scatter diagram and histogram.

    c) Distinguish between correlation and regression.   2+4+4=10

2. Define the following: 2×5=10

    a) Mean

    b) Median

    c) Mode

    d) Standard Deviation

    e) Moving Average

3. Discuss the generation and extraction of information from internet surfing.   10

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

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U.G. 3rd Semester Examination - 2020
GEOGRAPHY
[PROGRAMME]
Course Code : GEO-G-CC-T-03

Full Marks : 40   Time : $2\frac{1}{2}$ 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 **five** questions: 2×5=10

   যে-কোনো **পাঁচটি** প্রশ্নের উত্তর দাও ঃ

   a) What is optimum population?

   কাম্য জনসংখ্যা কাকে বলে?

   b) What is dependency ratio?

   নির্ভরশীলতার অনুপাত কাকে বলে?

   c) What does an age-sex pyramid depict?

   নারী-পুরুষের বয়স ভিত্তিক পিরামিডের দ্বারা কি বোঝা যায়?

   d) Define an urban settlement in India.

   ভারতে পৌর জনবসতির সংজ্ঞা দাও।

   e) What are the main economic activities found in a rural settlement?

   গ্রামীন জনবসতিতে মানুষ কি কি অর্থনৈতিক কাজকর্মে যুক্ত থাকেন?

   [Turn over]

   f) Name the major types of migration found in India.

   ভারতে মূলতঃ কি কি ধরনের পরিযায়ীতা দেখা যায়?

   g) Name the major human races.

   মানুষের প্রধান জাতি গোষ্ঠীগুলির উল্লেখ কর।

   h) What is meant by a tribal religion?

   উপজাতিদের ধর্ম বলতে কি বোঝ?

2. Answer any **two** questions: 5×2=10

   যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

   a) Define Human geography. Discuss about its contemporary relevance.   2+3=5

   মানবীয় ভূগোলের সংজ্ঞা দাও। বর্তমান যুগে এর প্রাসঙ্গিকতা উল্লেখ কর।

   b) Highlight the major causes of migration.   5

   পরিযায়ীতার প্রধান কারণগুলির উপর আলোকপাত কর।

   c) Name the major cultural regions of the world. Discuss about any one of them.   1+4=5

   পৃথিবীর প্রধান সাংস্কৃতিক অঞ্চল সমূহের নাম লেখ। এদের যে-কোনো একটির বিষয়ে আলোচনা কর।

   d) Define society. What are the different elements of a society?   2+3=5

   সমাজের সংজ্ঞা দাও। এর বিভিন্ন উপাদান সমূহ কি কি?

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

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a) Briefly discuss about the distribution of population throughout the world. 10

পৃথিবীতে জনবন্টন বিষয়ে সংক্ষিপ্ত আলোচনা কর।

b) Critically discuss about the Demographic Transition Model. 8+2

ডেমোগ্রাফিক ট্রান্সিশন মডেলটির সমালোচনা সহ বিবৃত কর।

c) Discuss any one functional classification of towns in brief. 10

কর্মধারার ভিত্তিতে পৌর জনবসতির যে-কোনো একটি শ্রেণী বিভাগ সংক্ষেপে আলোচনা কর।

d) Discuss the major patterns of rural settlements with suitable diagrams. 10

উপযুক্ত চিত্রসহ গ্রামীন জনবসতির বিভিন্ন ধরণগুলি আলোচনা কর।

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U.G. 5th Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-11

(Research Methodology and Field Work)

[NEW SYLLABUS under CBCS]

Full Marks : 40   Time : $2\frac{1}{2}$ 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

(Research Methodology)

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

$2\times3=6$

  a)   What is fundamental research?

  b)   What is meant by applied research in Geography?

  c)   What is research method?

  d)   What are the key-words in a research report?

  e)   Write the full form of APA.

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

$4\times1=4$

  a)   Specify the significance of literature review.

  b)   Differentiate reference from bibliography.

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

$10\times1=10$

  a)   Discuss the significance of research in Geography.

  b)   Illustrate the concept of research design in geographical study with examples.

UNIT-II

(Fieldwork)

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

$2\times3=6$

  a)   What is participant observation?

  b)   What is structured questionnaire?

  c)   What is Focus Group Discussion (FGD)?

  d)   What is meant by open ended question?

  e)   What is meant by transect in a landscape survey?

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

$4\times1=4$

  a)   Outline the major ethical issues of fieldwork in Geography.

  b)   Mention the guideline for pre-field preparations in geographical study.

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

$10\times1=10$

  a)   Elaborate the role and significance of fieldwork in geographical study.

  b)   Illustrate the design of an ideal field report in geographical study with suitable examples.

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U.G. 5th Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Course Code : GEO-H-CC-T-12
Remote Sensing and GIS
[NEW SYLLABUS under CBCS]

Full Marks : 40   Time : $2\frac{1}{2}$ 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
(Remote Sensing)

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

$2×3=6$

   i)   What is *remote sensing*?
   ii)   What is *electromagnetic spectrum*?
   iii)   What is *platform*?
   iv)   What is meant by *spatial resolution*?
   v)   What is *geostationary satellite*?

2. Answer any **one** question from the following: $4×1=4$
   i)   Distinguish between active and passive sensor.
   ii)   Mention the stages involved in remote sensing process.

[Turn over]

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

$10×1=10$

   i)   Describe the aerial photo interpretation keys with necessary illustration.
   ii)   Discuss merits and demerits of FCC.

UNIT-II
(Geographical Information Systems and Global Navigation Satellite System)

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

$2×3=6$

   i)   What is GIS?
   ii)   What is *overlay analysis* in GIS?
   iii)   What is GNSS?
   iv)   What is meant by *waypoint* in GPS survey?
   v)   Mention two advantages of GPS.

5.   Answer any **one** question from the following: $4×1=4$
   i)   Distinguish between raster and vector data.
   ii)   Mention the elements involved in GIS.

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

$10×1=10$

   i)   Write a short note on principles of the preparation of attributes tables and data management in GIS.
   ii)   Discuss the principles of GNSS positioning and waypoint collection.

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U.G. 5th Semester Examination - 2020
GEOGRAPHY
[HONOURS]
Course Code : GEO(H)CC-12/PR
[PRACTICAL]
(Remote Sensing and GIS)
(New Syllabus Under CBCS)

Full Marks : 20   Time : 2 Hours
The figures in the right-hand margin indicate marks.

1. Answer any **five** questions from the followings:
                                            5×4=20

    i)   What are the necessities of map georeferencing?

    ii)   Mention the significance of projection system in georeferencing with examples.

    iii) Mention the significance of geographical features digitization with examples.

    iv)   Identify the precautions of map digitization.

    v)   Write the full forms of FCC, UTM, JPEG and TIFF.

    vi)   Explore the uses of supervised image classification.

    vii) Describe the Maximum Likelihood method in image classification.

    viii) Assess the demerits of image classification.

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[Turn over]

U.G. 5th Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-01/B

(Cultural and Settlement Geography)

(New Syllabus Under CBCS)

Full Marks : 60   Time : $2\frac{1}{2}$ 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

(Cultural Geography)

(Marks : 30)

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

$2\times5=10$

a)   Define Cultural Geography.

b)   What is cultural cohesion?

c)   What is cultural diversity?

d)   Write any two characteristics of Negroid.

e)   Mention two positive impacts of technology on culture.

f)   What is cultural realm?

g)   State two characteristics of Paleolithic Age.

[Turn over]

h)   What is Monosyllabic language?

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

$5\times2=10$

a)   Distinguish between 'Race' and 'Ethnicity' with suitable illustrations.

b)   Elaborate relevance of Cultural Geography in modern time.

c)   Specify the role of culture in human development.

d)   Give the concept of cultural segregation with examples.

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

$10\times1=10$

a)   Describe the process and characteristics of various types of cultural diffusion.

b)   Discuss the distribution and salient features of Mongoloid racial group of the world.

UNIT-II

(Settlement Geography)

(Marks : 30)

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

$2\times5=10$

a)   Define urban in Indian context.

b)   What is urban agglomeration?

c) What is rural-urban fringe?

d) What is Dormitory town?

e) What is conurbation?

f) What is circular pattern of rural settlement?

g) What is million plus city?

h) What is urban sprawl?

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

$$5×2=10$$

a) Distinguish between rectangular and linear patterns of rural settlement.

b) Highlight the internal morphology of rural settlement in India.

c) Briefly describe the functional classes of cities as proposed by Nelson.

d) Describe the economic factors influencing the development of rural settlement in brief.

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

$$10×1=10$$

a) Describe the scope and content of Settlement Geography.

b) Illustrate with diagram the model of urban morphology after Burgess.

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U.G. 5th Semester Examination - 2020

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-02/B

(Social Geography)

(New Syllabus Under CBCS)

Full Marks : 60   Time : $2\frac{1}{2}$ 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** from the following questions:

2×5=10

a)   Define Social Geography.

b)   What is Varnasram System?

c)   What is class?

d)   What is caste?

e)   Mention any two factors that are responsible for reducing the rigidity of caste system in India.

f)   Name any four traits that help in identifying the major racial groups in the world.

[Turn over]

g)   What is an ethnic religion?

h)   Identify any two barriers of social change in India.

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

5×2=10

a)   Define society and highlight its characteristics.

b)   Give the concept of social group with example.

c)   Highlight the Salient features of Mongoloid group.

d)   Specify the different Social Processes.

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

10×1=10

a)   Discuss the scope and content of social geography.

b)   Discuss the nature of social stratification in India.

UNIT-II

(Marks : 30)

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

2×5=10

a)   What is meant by Standard of Living?

b)   What is Deprivation?

c)   What is meant by Social Pathology?

d)   Give four examples of Deviant Behaviour.

e)   Give the concept of Social Impact Assessment (SIA).

f)   What is violence against women?

g)   What is the importance of study of crime in Geography?

h)   Write two importance of Social Inclusion.

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

$$5\times2=10$$

a)   Give the concept of Quality of Life.

b)   State the importance of Social Impact Assessment for indigenous people.

c)   Discuss about the social implication of Sarva Siksha Abhiyan (SSA) Policy in India.

d)   Explain the concept of Social Exclusion.

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

$$10\times1=10$$

a)   Disuss the indicators of social well-being after Smith.

b)   Describe the major goals and components of NRHM in India.

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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 : $2\frac{1}{2}$ 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: 2×3=6

   a) What is weocratic approach?

   b) Differentiate deductive from inductive methods.

   c) What is chorography?

   d) What is neodeterminism?

   e) Distinguish between ideographic and nomothetic approaches.

[Turn Over]

2. Answer any **one** from the following: 4×1=4

   a) Specify the impact of 'Dark Age' on Geography.

   b) Discuss the contribution of Columbus in Geographical studies.

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

   a) Elucidate the salient characteristics of dualism between Physical and Human Geography.

   b) 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: 2×7=14

   a) What is social determinism?

   b) What is 'Cosmos'?

   c) Who defined Geography as Human Ecology?

   d) Define Feminist Geography.

   e) 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'?

5. Answer any **four** from the following: 4×4=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: 10×1=10

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

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

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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 : $2\frac{1}{2}$ 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: 4×1=4

   i)   State the consequences of landslides in hilly
        areas.

   ii) Bring out the vulnerable impacts of
        earthquake.

6. Answer any **one** question: 10×1=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 : $2\frac{1}{2}$ 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: 10×2=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

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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 : $2\frac{1}{2}$ 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:

$2\times5=10$

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:

$5\times2=10$

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:

$10\times1=10$

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:

$2 \times 5 = 10$

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:

$5 \times 2 = 10$

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:

$10 \times 1 = 10$

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.

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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 : $2\frac{1}{2}$ 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.

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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 : $2\frac{1}{2}$ 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:

$2\times3=6$

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:

$4\times1=4$

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:

$10\times1=10$

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:

$2\times7=14$

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:

$$4\times4=16$$

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:

$$10\times1=10$$

a) Critically discuss the Von Thunen's model of agricultural land use.

b) Analyse the impact of globalization on Indian agriculture.

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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 : $2\frac{1}{2}$ 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?

[Turn Over]

l) Distinguish between earth flow and mud flow.

মাটির স্তূপ প্রবাহ ও কাদার প্রবাহের মধ্যে পার্থক্য উল্লেখ কর।

m) What are the different names of tropical cyclone in the world?

পৃথিবীতে ক্রান্তীয় 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: 5×4=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 ভূমিধ্বসের কারণ ব্যাখ্যা কর।

d) Mention the causes for the formation of tropical cyclone.

ক্রান্তীয় 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: 10×2=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।

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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

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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

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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 : $2\frac{1}{2}$ 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 বোঝ?

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.

দারিদ্রতার সংজ্ঞা দাও।

n)   Name two greenhouse gases.

দুটি গ্রিনহাউস গ্যাসের নাম লেখ।

o) What is resource?

সম্পদ কী?

2. Answer any **four** questions: 5×4=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: 10×2=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 দারিদ্রতার প্রধান কারণগুলি আলোচনা কর।

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2021
GEOGRAPHY
[GENERAL]
Paper : IV

Full Marks : 60   Time : 3 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.

GROUP-A

(Land-use and Settlement Geography)

(Marks : 30)

1.   Answer any **four** of the following: 1×4=4

যে-কোনো **চারটি** প্রশ্নের উত্তর দাও ঃ

a)   Who introduced Multiple Nuclei Model?

Multiple Nuclei মডেল কে প্রবর্তন করেন?

b)   Mention two examples of cantonment town.

দু'টি সেনাছাউনি প্রধান শহরের উল্লেখ কর।

c)   Define urban settlement.

পৌর জনবসতির সংজ্ঞা দাও।

d)   Define land.

ভূমির সংজ্ঞা দাও।

e)   Mention two socio-economic factors of land-use.

ভূমি ব্যবহারের ক্ষেত্রে দুটি আর্থসামাজিক কারণ উল্লেখ কর।

f)   Mention ideal situation for linear settlement growth.

রৈখিক জনবসতি গড়ে ওঠার আদর্শ অবস্থান উল্লেখ কর।

2.   Answer any **two** of the following: 2×2=4

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a)   What are the prerequisites of industrial land-use?

শিল্পভিত্তিক ভূমি ব্যবহারের পূর্বশর্তগুলি কি কি?

b)   Mention the nature of rural settlements.

গ্রাম্য জনবসতির বৈশিষ্ট্য আলোচনা কর।

c)   Mention two principles of land-use.

ভূমি ব্যবহারের দুটি নীতি উল্লেখ কর।

d)   What is urban morphology?

পৌর বসতির বিন্যাস (morphology) বলতে কি বোঝ?

3. Answer any **two** of the following: 6×2=12

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a) Discuss on different types of land-use in reference to their objectives.

উদ্দেশ্যের উপর নির্ভর করে ভূমি ব্যবহারের বিভিন্নতা সম্পর্কে আলোচনা কর।

b) Classify urban settlements based upon functional activities.

কার্যভিত্তিক পৌরবসতির শ্রেণীবিভাগ কর।

c) Discuss in detail the effect of physical environment in the growth of rural settlement.

গ্রাম্য জনবসতি গড়ে ওঠার ক্ষেত্রে প্রাকৃতিক পরিবেশের ভূমিকা আলোচনা কর।

d) Compare between sector theory and multiple nuclei models.

Sector theory ও Multiple nuclei মডেল-এর তুলনামূলক আলোচনা কর।

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

যে-কোনো **একটি** প্রশ্নের উত্তর দাও ঃ

a) Discuss the evolution and nature of rural settlements with examples.

গ্রাম্য জনবসতির উদ্ভব ও বৈশিষ্ট্য উদাহরণসহ আলোচনা কর।

b) Classify urban settlements.

পৌরবসতির শ্রেণীবিভাগ কর।

c) Highlight on several land-use controlling factors in reference to particular land-uses.

নির্দিষ্ট ভূমি ব্যবহারের ক্ষেত্রে বিভিন্ন নিয়ন্ত্রকগুলির ভূমিকা আলোচনা কর।

GROUP-B

(Remote Sensing and Thematic Mapping)

(Marks : 30)

5. Answer any **four** of the following: 1×4=4

যে-কোনো **চারটি** প্রশ্নের উত্তর দাও ঃ

a) What is FCC?

FCC কি?

b) What is DN value?

DN value কি?

c) What is IRS?

IRS কি?

d) Define Remote Sensing.

দূর সংবেদনের সংজ্ঞা দাও।

e) Mention the full form of LANDSAT.

LANDSAT-এর সম্পূর্ণ অর্থ উল্লেখ কর।

f) What is thematic mapping?

বিষয়ভিত্তিক মানচিত্র কি?

6. Answer any **two** of the following: 2×2=4

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a) What is oblique air photo?

তির্যক বিমানচিত্র কি?

b) What is parallax?

Parallax কি?

c) Mention the uses of choropleth map.

Choropleth map-এর ব্যবহার উল্লেখ কর।

d) What is EMR?

EMR কি?

7. Answer any **two** of the following: 6×2=12

যে-কোনো **দুটি** প্রশ্নের উত্তর দাও ঃ

a) Differentiate Aerial photographs from satellite images.

বিমানচিত্র ও উপগ্রহ চিত্রের পার্থক্য নিরূপণ কর।

b) Discuss on the objective and principles of any two types of thematic maps.

যে কোনো দুটি বিষয়ভিত্তিক মানচিত্র অঙ্কনের ক্ষেত্রে উদ্দেশ্য ও নীতি সম্পর্কে আলোচনা কর।

c) Discuss the importance of any two aerial photo interpretation keys.

বিমানচিত্র পাঠের ক্ষেত্রে যে কোনো দুটি সহায়ক উপাদানের উপযোগিতা আলোচনা কর।

d) Discuss on the stages of Remote Sensing.

দূর সংবেদনের স্তরগুলি সম্পর্কে আলোচনা কর।

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

যে-কোনো **একটি** প্রশ্নের উত্তর দাও ঃ

a) Discuss in detail about any two kind of satellite images mentioning their specific uses.

যে কোনো দুই ধরনের উপগ্রহ চিত্রের বৈশিষ্ট্য ও তাদের ব্যবহার সম্পর্কে আলোচনা কর।

b) Discuss the application of remote sensing in preparing thematic maps.

বিষয়ভিত্তিক মানচিত্র তৈরিতে দূরসংবেদনের ভূমিকা আলোচনা কর।

c) Classify Aerial photographs mentioning their characteristics and uses.

বৈশিষ্ট্য ও ব্যবহারের উপর নির্ভর করে বিমানচিত্রের শ্রেণীবিভাগ কর।

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2021

GEOGRAPHY

[HONOURS]

Paper : VII

Full Marks : 80   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.

SECTION–A

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

1×7=7

a)   What do you understand by 'PTG'?

b)   Who is a 'Shaman'?

c)   What is meant by 'linear settlement'?

d)   Name the propounder of the 'Concentric Zone Theory'.

e)   Name the propounder of the 'Heartland Theory'.

f)   Define the term 'ethnicity'.

g)   What is 'social group'?

h)   Name a pastoral tribe of India.

i)   What is meant by 'clan'?

SECTION–B

2.   Define any **six** of the following terms: 2×6=12

a)   Diaspora

b)   Cultural Area

c)   Cultural Diffusion

d)   Agglomerated Settlement

e)   Kinship

f)   Megalopolis

g)   Class

h)   Frontier

SECTION–C

Answer any **three** of the following questions:

7×3=21

3.   Assess the role of site and situation in shaping the character of a settlement with suitable examples.

4.   Give an account of the major festivals of the Santal Tribe.

5. Comment on the nature of administrative areas of India.

6. Distinguish between Social Geography and Cultural Geography.

7. Highlight the basic tenets of the Rimland Theory.

SECTION–D

Answer any **four** of the following questions:

10×4=40

8. Enumerate the functional classification of urban settlements with suitable examples.

9. Why are settlements defined as social entities?

10. Discuss the scope and content of Political Geography.

11. Outline the world distribution of cultural hearths and their evolution.

12. Describe the habitat, economy and social structure of the Khasi Tribe.

13. Critically evaluate the 'Sector Theory' with reference to its applicability in urban morphological studies in India.

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2021

GEOGRAPHY

[HONOURS]

Paper : VIII

Full Marks : 80   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.

GROUP-A

(Contemporary Issues in Geography)

(Marks: 30)

1. Answer any **four** from the following: 1×4=4

   a)   What do you understand by *biodiversity*?

   b)   Name a man-made hazard taken place in India.

   c)   What is funnel cloud?

   d)   What is *flash flood*?

   e)   What is meant by *avalanche*?

   f)   What is agricultural drought?

2. Answer any **two** from the following: 2×2=4

   a)   What do you understand by *habitat loss*?

   b)   What do you mean by *twister*?

   c)   What is inversion of temperature?

   d)   Differentiate the afforestation from deforestation.

3. Answer any **two** from the following: 6×2=12

   a)   Assess *dams* as a flood control measures.

   b)   Briefly discuss the environmental impact of hailstorm.

   c)   Compare the natural and quasi-natural hazards with examples.

   d)   State the relationship between deforestation and loss of biodiversity in brief.

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

   a)   Explain the mechanism and consequences of tornado.

   b)   Assess the drought management strategies and practices in India.

GROUP-B

(Remote Sensing and GIS)

(Marks: 50)

5. Answer any **four** of the following: 1×4=4

   a) What is *band* in remote sensing?

   b) What is meant by Pixel?

   c) What do you mean by *nadir* in aerial photo?

   d) What is FCC?

   e) Define EMR.

   f) Give an Indian example of telecommunication satellite.

6. Answer any **four** from the following: 2×4=8

   a) What is parallax?

   b) Differentiate visual from digital technique of image interpretation.

   c) What is LANDSAT?

   d) What is SPOT?

   e) What do you understand by radiometric resolution?

   f) Distinguish between aerial photo and satellite imagery.

7. Answer any **three** from the following: 6×3=18

   a) Mention the advantages of GPS.

   b) Discuss the type of aerial photographs with their bases.

   c) Differentiate the supervised from unsupervised technique of image interpretation.

   d) State the salient characteristics of sensors used in remote sensing.

   e) Highlight the application of remote sensing and GIS in managing environmental degradation.

8. Answer any **two** from the following: 10×2=20

   a) Elucidate the role of photo-interpretation keys in visual image interpretation with necessary examples.

   b) Compare the raster and vector data format with their advantages and disadvantages.

   c) Make an account on RS-GIS and modern Cartography.

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2021
GEOGRAPHY
[HONOURS]
Paper : IX

Full Marks : 80   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 **seven** from the following questions:

    1×7=7

    a)   What is halophyte?

    b)   What is the full form of WBTC?

    c)   Specify the moribund delta region in West Bengal.

    d)   Define planning region.

    e)   What is *Diara*?

    f)   What is *nodal* region?

    g)   What is *Pat* region?

    h)   What is IRDP?

    i)   What is *Dampier-Hodges Line*?

    [Turn over]

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

    2×6=12

    a)   Specify the boundary of *Rarh* region in West Bengal.

    b)   What is plantation farming?

    c)   Differentiate *formal* region from *functional* region.

    d)   What is *NITI Aayog*?

    e)   What is meant by *Gross Domestic Product*?

    f)   What is *Terai* region?

    g)   Define *poverty*.

    h)   What is *Tista Lineament*?

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

    7×3=21

    a)   State the major characteristics of laterite soil in West Bengal.

    b)   Outline the major functions of KMDA.

    c)   State the principles of micro level regional planning.

    d)   Illustrate any two methods of delineation of region.

    e)   Outline the problems associated with coal mining in West Bengal.

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

$$10 \times 4 = 40$$

a) Briefly discuss about the major natural disasters occurring in Indian Sundarban delta.

b) Bring out the regional identity of Marusthali.

c) Give an account of regional variations of climatic conditions in West Bengal.

d) Elaborate the merits and limitations of macro level regional planning.

e) Discuss the major objectives and challenges of DVC.

f) Give a geographical account of Vale of Kashmir.

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