



**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. General Part-I Examination, 2020

**GEOGRAPHY**  
**PAPER-I (New Syllabus)**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-A**

বিভাগ-ক

খণ্ড-ক

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एकवटा प्रश्नको उत्तर दिनुहोस्

1. Discuss critically the continental drift theory as proposed by Wegener. 10  
ওয়েগনারের মহীসঞ্চরণ তত্ত্ব সমালোচনার আলোকে বিশ্লেষণ কর।  
व्यागनरद्वारा प्रस्तावित महाद्वीप बहाव सिद्धान्त आलोचनात्मक रूपमा छलफल गर्नुहोस्।
2. Describe the landforms developed by wind erosion and deposition with suitable diagrams. 5+5=10  
উপযুক্ত চিত্র সহযোগে বায়ুর ক্ষয় ও সঞ্চয়কার্য দ্বারা সৃষ্ট ভূমিরূপগুলি আলোচনা কর।  
वायु कटाई र अवस्थित भूभागहरू उपयुक्त रेखाचित्र साथ वर्णन गर्नुहोस्।

**SECTION-B**

বিভাগ-খ

খণ্ড-খ

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एकवटा प्रश्नको उत्तर लेख्नुहोस्

3. Classify sedimentary rocks according to their mode of origin with suitable examples. 10  
উপযুক্ত উদাহরণ সহযোগে উৎপত্তির নিরীখে পাললিক শিলার শ্রেণীবিভাগ কর।  
सहि उदाहरणका साथ तलम चट्टानको उत्पत्ति अनुसार वर्गीकृत गर्नुहोस्।

4. Describe the hydrological cycle and its importance. 10  
গুরুত্ব সহযোগে জলচক্রের সম্পর্কে আলোচনা কর।  
জল চক্রকো বর্ণন অনি यसকো महत्वबारे लेख्नुहोस् ।
5. Assess the theory on the origin of the earth as proposed by Laplace. 10  
पृथिवीर उৎपत्ति सम्पर्के ल्यापलेसेर तद्द्वि आलोचना कर।  
ल्यापलेसले प्रस्ताव गरेका पृथ्वीको उत्पत्ति सिद्धान्तबारे बर्णन गर्नुहोस् ।
6. Describe the erosional features formed in the Karst topography. 10  
कार्स्ट भूमिरूप अक्षले विभिन्न क्षयजात भूमिरूपणुलिर सम्पर्के आलोचना कर।  
चुनापत्थरमा कटाई आकृतिको बर्णन गर्नुहोस् ।

**SECTION-C**

बिभाग-ग

खण्ड-ग

7. Write short notes on the following (any *two*): 2½ × 2 = 5  
निम्नलिखित दूटि बियेयेर सम्पर्के संक्षिप्त टीका लेखः  
निम्नलिखित दुईवटा का संक्षिप्तमा टिप्पणी लेख्नुहोस्:
- (a) L-Waves  
एल तरङ्ग  
L-लहर
- (b) Jigsaw fit  
जिग्स फिट  
जिग्स फिट
- (c) Eskers  
एसकारस  
एस्कर्स
- (d) Exfoliation  
एक्सफोलियेशन  
एक्सफोलिएसन
- (e) Fault scarp.  
फल्ट स्कार्प।  
फल्ट स्कार्प ।

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. General Part-I Examination, 2020

**GEOGRAPHY**  
**PAPER-II (New Syllabus)**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-A**

বিভাগ-ক

খণ্ড-ক

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एउटा प्रश्नको उत्तर लेख्नुहोस्

1. Attempt a classification of world climate based on Koppen. 10  
কোপেনের বিশ্ব জলবায়ুর শ্রেণীবিভাগ কর।  
कोप्पेनका अनुसार विश्वका जलवायुको वर्गीकरणको व्याख्या गर्नुहोस्।
2. Explain the factors responsible for soil formation. 10  
মৃত্তিকা গঠনের বিভিন্ন নিয়ন্ত্রকগুলি সম্পর্কে আলোচনা কর।  
माटो निर्माणको लागि जिम्मेवार कारकहरूको वर्णन गर्नुहोस्।

**SECTION-B**

বিভাগ-খ

খণ্ড-খ

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एकवटा प्रश्नको उत्तर लेख्नुहोस्

3. Define humidity. What are the differences between absolute and relative humidity? 2+8 = 10  
আর্দ্রতার সংজ্ঞা দাও। চরম আর্দ্রতা ও আপেক্ষিক আর্দ্রতার মধ্যে পার্থক্য নিরূপণ কর।  
आर्द्रता परिभाषित गर्नुहोस्। निरपेक्ष आर्द्रता र सापेक्षिक आर्द्रताका भिन्नता के के हुन् ?

4. Write a short note on pressure belts of the earth with suitable diagrams. 10  
উপযুক্ত চিত্র সহযোগে পৃথিবীর বায়ুচাপ বলয়গুলি সম্পর্কে সংক্ষিপ্ত আলোচনা কর।  
उपयुक्त रेखाचित्रको साथ पृथ्वीको दबाव पेटीमाथि छोटोबर्णन दिनुहोस्।
5. Discuss the factors determining the climate of a place. 10  
কোনো একটি স্থানের জলবায়ুর বিভিন্ন নিয়ন্ত্রকগুলি সম্পর্কে আলোচনা কর।  
कुनै ठाँउको मौसम निर्धारण गर्ने कारकहरूबारे छलफल गर्नुहोस्।
6. Briefly discuss the factors responsible for plant growth. 10  
উদ্ভিদের বৃদ্ধির সহায়ককারী বিভিন্ন নিয়ন্ত্রণকারী উপাদানগুলি সম্পর্কে সংক্ষিপ্ত বিবরণ দাও।  
संक्षेपमा पौधा बृद्धिवारे जिम्मेवार कारकहरूबारे वर्णन गर्नुहोस्।

SECTION-C

বিভাগ-গ

खण्ड-ग

7. Write short notes on the following (any *two*): 2½ × 2 = 5  
নিম্নলিখিত দুটি বিষয়ের সম্পর্কে সংক্ষিপ্ত টীকা লেখঃ  
निम्नलिखित दुईवटा का संक्षेपमा टिप्पणी लेख्नुहोस्:
- (a) Xerophytes  
জেরোফাইট  
जेरोफाइट
- (b) Insolation  
ইনসোলেশন (কার্যকরী সৌর বিকিরণ)  
आगमन सौर्य विकिरण
- (c) Land Breeze  
স্থলবায়ু  
भूमि हावा
- (d) Coriolis force  
কোরিওলিস বল  
कोरियोलिस बल
- (e) Illuviation.  
ইলুভিয়েশন।  
इलुभिएसन।

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. General Part-II Examination, 2020

**GEOGRAPHY**

**PAPER-IV**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-A / বিভাগ-ক / খণ্ড-ক**

**Answer any one question from the following**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एउटा प्रश्नको उत्तर लेख्नुहोस्

1. Give an account of the adaptation of the Eskimos in the cold climate. 10  
শীতল জলবায়ু অঞ্চলে এফ্রিমোদের অভিযোজনের ওপর একটি বিবরণ দাও।  
ठण्डा जलवायु मा ऐस्कीमोको अनुकूलताको विवरण दिनुहोस्।
2. What do you mean by rural settlement? Classify rural settlements according to their mode of origin. Give suitable diagrams. 3+7  
গ্রামীণ বসতি বলতে কি বোঝ ? উৎপত্তির ধরন অনুসারে গ্রামীণ বসতিগুলির শ্রেণীবিভাগ কর। উপযুক্ত চিত্র দাও।  
ग्रामिण वस्ती भन्नाले के बुझनुउन्छ ? ग्रामिण बस्तीलाई उत्पतिको आधारमा बर्गीकृत गर्नुहोस्।

**SECTION-B / বিভাগ-খ / খণ্ড-খ**

**Answer any one question from the following**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एकवटा प्रश्नको उत्तर लेख्नुहोस्

3. What are the different problems related with over population? 10  
জনাকীর্ণতার সঙ্গে জড়িত সমস্যাগুলি কি কি ?  
अधिक जनसंख्या सम्बन्धित समस्याहरु के के हुन् ?
4. Write a short note on scope and content of social geography. 10  
সামাজিক ভূগোলের পরিধি ও বিষয়বস্তু সম্বন্ধে একটি সংক্ষিপ্ত বর্ণনা দাও।  
सामाजिक भूगोलको क्षेत्र र विषय वस्तुवारे छोटो विवरण लेख्नुहोस्।

5. Explain the indicators of underdevelopment. 10  
অনুন্নয়নের সূচকগুলি ব্যাখ্যা কর।  
অল্পবিকাশকা সূচকহরুবারে উল্লেখ গর্নুহোস্।
6. Give a brief account of the characteristics and distribution of Mongoloid race. 10  
মোস্গলীয় জাতির বৈশিষ্ট্য ও বণ্টনের এক সংক্ষিপ্ত বর্ণনা দাও।  
মংগোলোইড্ জাটীকো বিশেষতা র বিতরণবারে সংক্ষিপ্তমা বিবরণ দিনুহোস্।

SECTION-C / বিভাগ-গ / খ্রণ্ড-গ

7. Write short notes on the following: (Any *two*) 2½ × 2 = 5  
নিম্নলিখিত বিষয়গুলির ওপর সংক্ষিপ্ত টীকা লেখঃ (যে-কোন দুটি)  
ছোটোমা টিপ্পণী লেখ্জুহোস্ : (কুনৈ দুই)
- (a) Transhumance  
ঋতুভিত্তিক পরিব্রাজন  
ট্রান্সহয়ুমেন্স
- (b) Population explosion  
জনবিস্ফোরণ  
জনসংখ্যা বিস্ফোট
- (c) Masai  
মাসাই  
মসাই
- (d) Metropolitan city  
মেট্রোপলিটন নগর  
মহানগর
- (e) Nordic race.  
নর্ডিক জাতি।  
নোরডিক জাতি

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. General Part-II Examination, 2020

**GEOGRAPHY**

**PAPER-V**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-A / বিভাগ-ক / খণ্ড-ক**

**Answer any one question of the following**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

কুনৈ एउटा प्रश्नको उत्तर लेख्नुहोस्

1. Discuss the favourable physical and socio-economic conditions required for the wheat cultivation. Describe the major wheat producing countries of the world. 5+5 = 10  
গম চাষের জন্য প্রয়োজনীয় অনুকূল প্রাকৃতিক ও আর্থ-সামাজিক অবস্থাগুলো বর্ণনা কর। বিশ্বের প্রধান গম উৎপাদক দেশগুলির সম্পর্কে বিবরণ দাও।  
गहुँ खेतीका लागि आवश्यक अनुकूल भौतिक र सामाजिक-आर्थिक अवस्थाको बारेमा व्याख्या गर्नुहोस्। विश्वका प्रमुख गहुँ उत्पादन गर्ने देशहरूको वर्णन गर्नुहोस्।
2. Define resources. Describe the different types of resources with suitable examples. 3+7 = 10  
সম্পদের সংজ্ঞা দাও। উপযুক্ত উদাহরণসহ বিভিন্ন প্রকার সম্পদ সম্পর্কে আলোচনা কর।  
स्रोत संसाधन परिभाषित गर्नुहोस्। उपयुक्त उदाहरणको साथ माथि विभिन्न प्रकारका संसाधन वर्णन गर्नुहोस्।

**SECTION-B / বিভাগ-খ / খণ্ড-খ**

**Answer any one question of the following**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एकवटा प्रश्नको उत्तर लेख्नुहोस्

3. Write down the characteristics of primary economic activities. Give examples. 10  
প্রাথমিক অর্থনৈতিক কার্যাবলীর বৈশিষ্ট্যগুলি লেখ। উদাহরণ দাও।  
प्राथमिक आर्थिक गतिविधिहरूको विशेषताहरू लेख्नुहोस्। उदाहरण दिनुहोस्।
4. Describe the major petroleum producing countries of the middle-East. 10  
মধ্য-প্রাচ্যের প্রধান প্রধান খনিজ তেল উৎপাদক দেশগুলির বর্ণনা দাও।  
मध्य पूर्वका पेट्रोलियम उत्पादन गर्ने देशहरूको वर्णन गर्नुहोस्।

5. Describe the factors governing the location of Iron and Steel industry in India. 10  
ভারতে লৌহ-ইস্পাত শিল্পের অবস্থানে প্রভাব বিস্তারকারী কারণগুলি বর্ণনা কর।  
भारतमा फलाम र इस्पात उद्योगको स्थान नियन्त्रण गर्ने कारकहरूबारे व्याख्या गर्नुहोस्।
6. Discuss the role of transport in resource development. 10  
সম্পদের বিকাশে পরিবহনের ভূমিকার বিবরণ দাও।  
स्रोत संसाधन विकासमा यातायातको भूमिकाबारे विवरण दिनुहोस्।

SECTION-C / বিভাগ-গ / खण्ड-ग

7. Write short notes on the following: (Any two) 2½×2 = 5  
নিম্নলিখিত বিষয়গুলির উপর সংক্ষিপ্ত টীকা লেখঃ (যে-কোন দুটি)  
छोटोमा टिप्पणी लेख्नुहोस् : (कुनै दुई)
- (a) Tertiary economic activities  
তৃতীয় স্তরের অর্থনৈতিক কার্যাবলী  
तृतीयक आर्थिक गति विधिहरू
- (b) Mixed farming  
মিশ্র কৃষি  
মিশ্রিত খেতি
- (c) Lignite  
লিগনাইট  
लिग्नाइट
- (d) Kharif crop  
খারিফ শস্য  
खरीफ बाली
- (e) Resource conservation.  
সম্পদ সংরক্ষণ।  
स्रोत संसाधन संरक्षण।

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**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. General Part-III Examination, 2020

**GEOGRAPHY**

**PAPER-VII**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2 marks-30 words / 2.5 marks-40 words / 5 marks-100 words / 8 marks-220 words /  
10 marks-300 words / 15 marks-400 words / 20 marks-475 words.*

**SECTION-A**

বিভাগ-ক

खण्ड-क

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एउटा प्रश्नको उत्तर लेख्नुहोस्

1. Classify Indian soils. Give an account of their distribution with suitable diagram. 2+8=10  
ভারতীয় মৃত্তিকার শ্রেণীবিভাগ কর। উপযুক্ত চিত্র সহযোগে শ্রেণীবিভাগকারী ভারতীয় মৃত্তিকার বৈশিষ্ট্য ও বণ্টন সম্পর্কে আলোচনা কর।  
भारतको माटो वर्गीकरण गर्नुहोस्। सहि रेखाचित्र सङ्ग तिनीहरूका वितरणबारे उल्लेख गर्नुहोस्।
2. Divide India into major agriculture regions and mention their characteristic with suitable example. 2+8=10  
উপযুক্ত উদাহরণ সহযোগে ভারতকে বিভিন্ন কৃষি অঞ্চলে বিভক্ত কর এবং তাদের বৈশিষ্ট্য সম্পর্কে আলোচনা কর।  
भारतलाई मुख्य कृषि क्षेत्रमा भाग गर्नुहोस् र सहि उदाहरण सहित विशेषताहरूबारे लेख्नुहोस्।

**SECTION-B**

বিভাগ-খ

खण्ड-ख

**Answer any one question**

10×1 = 10

যে-কোন একটি প্রশ্নের উত্তর দাও

कुनै एउटा प्रश्नको उत्तर लेख्नुहोस्

3. Give a brief account of the condition of Renewable energy production in India. 10  
ভারতের নবীকরণযোগ্য শক্তি সম্পদ সম্পর্কে সংক্ষিপ্ত বিবরণ দাও।  
भारतमा नवीकरणीय उर्जा उत्पादनको अवस्थाको संक्षिप्त विवरण दिनुहोस्।

4. Account for the location of Cotton textile industry in Western India. 10  
পশ্চিম ভারতে কার্পাস বয়ন শিল্পের কেন্দ্রীভবনের কারণগুলি আলোচনা কর।  
पश्चिमी भारतमा कपास कपड़ा उद्योगको स्थान बारे लेख्नुहोस्।
5. Give an account of the Socio-economic condition of Naga. 10  
নাগা জনগোষ্ঠীর সামাজিক-অর্থনৈতিক জীবনযাত্রা প্রণালীর সম্পর্কে একটি বিবরণ দাও।  
नागाको सामाजिक आर्थिक अवस्थाबारे छोटकरीमा छलफल गर्नुहोस्।
6. What are the major causes of high population growth in India? 10  
ভারতে অধিক জনসংখ্যা বৃদ্ধির কারণগুলি আলোচনা কর।  
भारतमा उच्च जनसंख्या बृद्धिका प्रमुख कारणहरू के हुन् ?

SECTION-C

বিভাগ-গ

खण्ड-ग

7. Write short notes any *two* on the following: 2.5×2 = 5  
নিম্নলিখিত বিষয়গুলি সম্পর্কে যে-কোন দুটির সংক্ষিপ্ত টীকা লেখঃ  
छोटोमा दुइवटा टिप्पणी गर्नुहोस् :
- (a) Khadar  
খাদার  
ख़ादर
- (b) Mangrove  
ম্যানগ্রোভ  
मैंग्रोभ
- (c) Race  
জাতি  
जाति
- (d) Monsoon  
মৌসুমী বায়ু  
मानसून
- (e) Migration.  
পরিব্রাজন।  
प्रवासी।

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-I Examination, 2020

**GEOGRAPHY**

**PAPER-I**

**PHYSICAL GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Explain the theory of Plate Tectonics with suitable illustrations. Make a classification of plate margins according to the nature of motion. 6+4
2. Define mass wasting. Give an account of different types of mass movements and landforms produced by them. 2+5+3

**SECTION-II**

**Answer any one question**

10×1 = 10

3. What is Nebular Hypothesis? Evaluate the Nebular Hypothesis as suggested by Pierre Laplace. 2+8
4. Give a brief account of the layering of the interior of the earth. 10
5. Classify fold and mention the basis of classification. 10
6. Describe the processes of physical weathering. 10

**SECTION-III**

7. Define the following terms: 1×5 = 5
  - (a) Mohorovicic discontinuity
  - (b) Block mountain
  - (c) Reverse fault
  - (d) Mudflow
  - (e) Honeycomb weathering.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-I Examination, 2020

**GEOGRAPHY**

**PAPER-II**

**PHYSICAL GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. What are the favourable conditions for the development of Karst region? Describe the erosional and depositional landforms produced by underground water in Karst region. 3+7
2. Explain the evolution of drainage system in a folded structure with suitable diagrams. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Describe the features produced by wind action with suitable diagrams. 10
4. Describe the depositional features produced by a glacier with suitable diagrams. 10
5. Write a criticism on Davis's theory of Normal Cycle of Erosion. 10
6. Define run-off. What are the factors that affect the surface run-off? 2+8

**SECTION-III**

7. Define the following terms: 1×5 = 5
  - (a) Backswamp deposits
  - (b) Ventifacts
  - (c) Hanging valley
  - (d) Base level of erosion
  - (e) Hydrological cycle.

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**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. Honours Part-I Examination, 2020

**GEOGRAPHY**

**PAPER-III**

**GEOGRAPHY OF RESOURCES**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Explain how resources are created through dynamic interaction of natural, human and cultural factors. 10
2. Discuss about the characteristics and geographical distribution of softwood forest belts over the globe. Why lumbering is so developed in temperate forest regions? 4+6

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Write a short note on economic importance of forest resources. 10
4. Examine the role of OPEC in global trade of petroleum. 10
5. Assess the impact of population explosion on resources. 10
6. Explain the guiding principles of sustainable development. Why is sustainable development necessary? 6+4

**SECTION-III**

7. Define the following terms: 1×5 = 5
  - (a) Social forestry
  - (b) Chipko movement
  - (c) Phantom Pile
  - (d) Offshore drilling
  - (e) Optimum population.

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**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. Honours Part-II Examination, 2020

**GEOGRAPHY**

**PAPER-V**

**GEOGRAPHY OF ECONOMIC ACTIVITIES**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any *one* question**

10×1 = 10

1. What are the characteristics of subsistence farming? Discuss in detail the rice farming in the South-East Asian countries in present scenario. 2+8
2. Critically assess the Industrial Location Theory as proposed by A. Losch. 10

**SECTION-II**

**Answer any *one* question**

10×1 = 10

3. Discuss the sectoral classification of economic activities in detail with examples. 10
4. What is horticulture? What are the factors influencing the concentration of horticulture in the Mediterranean region? 2+8
5. Write a note on the salient features of rubber plantations in South-East Asia. 10
6. Write a short note on globalization. 10

**SECTION-III**

7. Define the following terms (any *two*):

$2\frac{1}{2} \times 2 = 5$

- (a) Dairy farming
- (b) Isodopane
- (c) Terrace farming
- (d) Marginal workers
- (e) Air pollution.

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**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. Honours Part-II Examination, 2020

**GEOGRAPHY**

**PAPER-VI**

**POPULATION GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any *one* question**

10×1 = 10

1. Discuss the world migration pattern since World War II. 10
2. What is under population and optimum population? Briefly explain the causes and effects of overpopulation in India. 3+7

**SECTION-II**

**Answer any *one* question**

10×1 = 10

3. Give an account of the scope and content of Population Geography. 10
4. Make a note on the determinants of world distribution of population. 10
5. Explain the significance of ethnic composition of population of India. 10
6. Discuss the differences between the developing and developed countries with respect to rural-urban composition of population. 10

**SECTION-III**

7. Define the following terms (any *two*):

$2 \frac{1}{2} \times 2 = 5$

- (a) Brain gain
- (b) Transhumance
- (c) Forced migration
- (d) Population density
- (e) Sex-ratio.

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**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. Honours Part-II Examination, 2020

**GEOGRAPHY**

**PAPER-VII**

**SETTLEMENT AND POLITICAL GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

**SECTION-I**

**Answer any *one* question**

10×1 =10

1. State the factors affecting location of rural settlement. Discuss in detail the different types of rural settlements in India. 3+7
2. Discuss Mackinder's 'Heartland Theory' and examine its relevance in the contemporary geo-politics. 7+3

**SECTION-II**

**Answer any *one* question**

10×1 = 10

3. Discuss the scope and content of Settlement Geography. 10
4. Briefly describe the environmental problems of urban settlements in India. 10
5. Describe the Buffer State with examples. 10
6. Assess the Geo-strategic ideas of Ratzel. 10

**SECTION-III**

7. Define the following terms (any *two*):  $2\frac{1}{2} \times 2=5$ 
  - (a) Census Town
  - (b) C.B.D
  - (c) Frontier
  - (d) Sub-urbanization
  - (e) Superimposed boundary.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**  
**PAPER-IX**  
**CLIMATOLOGY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2 marks-30 words / 2.5 marks-40 words / 8 marks-220 words / 10 marks-300 words.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Differentiate between insolation and temperature. Describe the factors affecting the distribution of insolation throughout the globe. 2+8=10
2. Give an account of the scheme of World Climatic Classification as proposed by C. W. Thornthwaite. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Write a short note on the importance of the Ozone layer on the Earth. 10
4. Give a short account on horizontal distribution of atmospheric pressure on the Earth. 10
5. Write on the mechanism of orographic rainfall with suitable diagrams. 10
6. Attempt a genetic classification of fronts. 10

**SECTION-III**

7. Define the following terms ( any two ): 2.5×2 = 5
  - (a) Sublimation
  - (b) BWk climate
  - (c) Dry adiabatic lapse rate
  - (d) cP airmass
  - (e) Eye of the cyclone.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**

**PAPER-X**

**PEDOLOGY AND BIO-GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:*

*2 marks-30 words / 2.5 marks-40 words / 3 marks-50 words /  
5 marks-100 words / 8 marks-220 words / 10 marks-300 words.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Define Pedology. Discuss the various factors affecting soil formation. 5+5 = 10
2. Define ecosystem. Discuss the anthropogenic factors responsible for degradation of wetland and also suggest some remedial measures. 2+5+3=10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Discuss in brief the USDA soil taxonomic classification. 10
4. How is soil organic matter formed? Explain the role of organic matter in soil fertility. 5+5 = 10
5. Discuss the scope and significance of Biogeography. 10
6. Define biome. Discuss in detail the relationship between biotic and abiotic components in tropical evergreen forest biome. 2+8 = 10

**SECTION-III**

7. Define the following terms ( **any two** ): 2.5×2 = 5
  - (a) Pedon
  - (b) Ramsar Convention
  - (c) Genetic diversity
  - (d) Illuviation
  - (e) Ecological niche.



**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**

**PAPER-XI**

**GEOGRAPHY OF INDIA**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2.5 marks-40 words / 4 marks-60 words / 6 marks-150 words / 10 marks-300 words.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Give an account of the Spatial distribution pattern of rainfall in India. What are the controlling factors of climate in India? 6+4 = 10
2. Discuss the various population policies adopted in India since independence. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Divide gangetic plain into major physiographic divisions and mention their salient geomorphological characteristics. 10
4. Attempt a classification of soil of India and mention their distribution and significance on crop productivity. 10
5. Critically examine the causes of deforestation in India. 10
6. Account for the cause and nature of dispersal of cotton textile industry in India during the post independence period. 10

**SECTION-III**

7. Define the following terms (any *two*): 2.5×2 = 5
  - (a) Littoral forest
  - (b) Protected forest
  - (c) Bhabar
  - (d) Sprinkler irrigation
  - (e) Footloose industry.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**

**PAPER-XII**

**NATURE AND METHODOLOGY IN GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2.5 marks-40 words / 3 marks-50 words / 4 marks-60 words / 6 marks-150 words /  
7 marks-175 words / 10 marks-300 words.*

**SECTION-I**

**Answer any one question**

10×1 = 10

1. What do you understand by the concept of dichotomy in Geography? Discuss the possibilistic approach as a critique of deterministic approach in Geography. 4+6 = 10
2. Differentiate between questionnaire and schedule. Prepare a model questionnaire for socio-economic survey. 4+6 = 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Assess the contribution of Greek Scholars in the development of Geographical ideas during the ancient period. 10
4. Define the term Space. Mention the major characteristics of Space from the geographical point of view. 3+7 = 10
5. What are the various sources of collecting primary data and also mention the problems encountered during its collection? 10
6. Discuss the various sampling techniques used in the collection of data. 10

**SECTION-III**

7. Define the following terms (any *two*): 2.5×2 = 5
  - (a) Relative location
  - (b) General Geography
  - (c) Quota Sampling
  - (d) Secondary survey
  - (e) Neo-determinism.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**

**PAPER-XIII**

**SOCIAL AND CULTURAL GEOGRAPHY**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2.5 marks-40 words / 3 marks-50 words / 4 marks-60 words / 5 marks-100 words /  
7 marks-175 words / 10 marks-300 words.*

**SECTION-I**

**Answer any one question** 10×1 = 10

1. Divide the world into major racial groups and mention their characteristics and spatial distribution in various parts of the world. 4+3+3=10
2. Critically examine the causes of social inequality in different parts of the world. Suggest some remedial measures to reduce the inequality in the world. 10+5 = 10

**SECTION-II**

**Answer any one question** 10×1 = 10

3. Discuss the scope and content of Social Geography. 10
4. Define the term Culture. Write a short note on the different Cultural elements. 3+7 = 10
5. Write a short account on the characteristics of Social Space. 10
6. Briefly describe the various forms of rural settlement. 10

**SECTION-III**

7. Define the following terms (any *two*): 2.5×2 = 5
  - (a) Ethnic tribe
  - (b) Hamlet
  - (c) Cultural Contact
  - (d) Social distance
  - (e) Nasal index.

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**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Honours Part-III Examination, 2020

**GEOGRAPHY**  
**PAPER-XIV**

Time Allotted: 1 Hour

Full Marks: 25

*The figures in the margin indicate full marks.*

*The word limit mentioned below against each question to be strictly followed by the students:  
2 marks-30 words / 2.5 marks-40 words / 3 marks-50 words / 4 marks-60 words / 5 marks-100 words /  
6 marks-150 words / 7 marks-175 words / 8 marks-220 words / 10 marks-300 words.*

**Choose one Option from**

- Option-I** : AGRICULTURAL GEOGRAPHY  
**Option-II** : CARTOGRAPHY  
**Option-III** : ENVIRONMENTAL GEOGRAPHY  
**Option-IV** : POPULATION GEOGRAPHY  
**Option-V** : REGIONAL PLANNING  
**Option-VI** : RIVER GEOGRAPHY  
**Option-VII** : URBAN GEOGRAPHY

**Mention the chosen Option on the cover page of the Answer Book.**

**Option-I : AGRICULTURAL GEOGRAPHY**

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Critically analyse the Von Thunen's model of agricultural land use. 10
2. Describe the characteristics of plantation farming with special reference to tea in India. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Give an account of scope and content of Agricultural Geography. 10
4. How does agriculture affect the riverine and lacustrine ecosystem? 10
5. Enumerate the characteristics of Indian Agriculture. 10

6. Elucidate USDA methods of land capability assessment. 10

**SECTION-III**

7. Define the following terms (*any two*): 2.5×2 = 5
- (a) Mulching
  - (b) Organic farming
  - (c) Tissue culture
  - (d) Habitat
  - (e) Land Capability.

**Option-II : CARTOGRAPHY**

**SECTION-I**

**Answer any one question** 10×1 = 10

1. Derive the fundamental equations for simple conical projection with two standard parallels. Submit your calculation for this projection with the following data: 6+4 = 10

Parallels : 20°N – 80°N  
 Meridians : 70°W – 130°W  
 Interval : 10°  
 Scale : 1 : 80,000,000

2. What is one degree method of theodolite? Find out the height of a tree (P) when the base is inaccessible and the instrument height is same in both stations. 4+6 = 10

Station	Object	Face	Vertical Circle Reading	
			VC	VD
A	P	L	13°40'	13°40'
		R	13°38'	13°38'
B	P	L	20°10'	20°10'
		R	20°12'	20°12'

When instrument height is 1.42 meter and distance between A & B is 9.00 meter.

**SECTION-II**

**Answer any one question** 10×1 = 10

3. Prove that the radius of any parallel of latitude ( $r\phi$ ) on Polar Zenithal Orthographic Projection is  $r\phi = R \cdot \cos \phi$ , where  $R$  = Radius of the generating globe. 10
4. What are the sources of error in plane table survey? 10

5. Submit your calculation for the Mercator's Projection with following extensions: 10
- Parallels & Meridians : Whole World  
Interval : 30° for meridians  
15° for parallels  
R.F : 1:180,000,000
6. Define aerial photographs. What are the methods of acquiring aerial photographs? 3+7 = 10

**SECTION-III**

7. Define the following terms (*any two*): 2.5×2 = 5
- (a) Constant of cone  
(b) Radial scale  
(c) Nadir point  
(d) Parallax bar  
(e) Perspective projection.

**Option-III : ENVIRONMENTAL GEOGRAPHY**

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Explain the basic principles of environmental conservation with suitable examples. 10
2. Define Environment Management Plan (EMP). Why should EMP become mandatory for any development project? Give relevant examples. 4+6 = 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Discuss in detail the scope and content of Environmental Geography. 10
4. How does the exchange of organic and inorganic elements in ecosystem take place? Give suitable examples. 10
5. Discuss in brief the arsenic contamination in West Bengal induced by natural causes. 10
6. Write short note on relationship between population growth and resource crisis. 10



**SECTION-III**

7. Define the following terms ( *any two* ): 2.5×2 = 5
- (a) Biochemical Oxygen demand
  - (b) Potential energy
  - (c) Holistic environment
  - (d) Culprit Gases
  - (e) Biomass.

**Option-IV : POPULATION GEOGRAPHY**

**SECTION-I**

**Answer any one question** 10×1 = 10

1. Explain the concept of occupational structure. Give an account of the nature and trend of occupational structure in India. 3+7 = 10
2. Define the term migration. What are the determinants of population migration? Discuss the Everett S. Lee's migration theory. 1+3+6=10

**SECTION-II**

**Answer any one question** 10×1 =10

3. Give an account of any two sources of population data in India. 10
4. Write a short account of ethnic composition of population in India. 10
5. Discuss in brief the causes of rural-urban mortality differential in India. 10
6. What are the characteristics of population growth in developing world? 10

**SECTION-III**

7. Define the following terms ( *any two* ): 2.5×2 = 5
- (a) Fecundity
  - (b) Geometric progression
  - (c) Neo-natal mortality
  - (d) Marginal workers
  - (e) Physiological density.

**Option-V : REGIONAL PLANNING**

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Discuss the nature and causes of regional imbalances in India with suitable examples. 5+5 = 10
2. Critically describe the W. Christaller's "Central Place theory". 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Write a short note on the basic principles of regional planning. 10
4. Describe in brief the indicators of development. 10
5. Mention the steps taken by the Government for the development of backward areas in India. 10
6. Write about 'Panchayati Raj' with special reference to India. 10

**SECTION-III**

7. Define the following terms ( *any two* ): 2.5×2 = 5
  - (a) Growth foci
  - (b) Master plan
  - (c) Locational rent
  - (d) Threshold population
  - (e) Meso-region.

**Option-VI : RIVER GEOGRAPHY**

**SECTION-I**

**Answer any one question**

10×1 = 10

1. Define drainage basin. Discuss the reasons why drainage basin is regarded as a geomorphic unit. What is the significance of stream ordering in drainage basin study? 2+5+3=10
2. Discuss the effects of river embankments on river regime with suitable examples. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Define longitudinal profile. Discuss the importance of longitudinal profile of river. 2+8 = 10
4. Discuss the factors controlling river erosion. What are the major processes of river erosion? 5+5 = 10
5. Define channel pattern. Discuss the conditions under which braided pattern is developed in a river channel with examples. 2+8 = 10
6. Discuss the delta building processes. Why the Ganga-Brahmaputra has developed the largest delta in the world? 5+5 = 10

**SECTION-III**

7. Define the following terms ( *any two* ): 2.5×2 = 5
- (a) Equilibrium profile
  - (b) Backswamp deposits
  - (c) Bed-material
  - (d) Bankfull discharge
  - (e) Watershed.

**Option-VII : URBAN GEOGRAPHY**

**SECTION-I**

**Answer any one question**

10×1 = 10

1. How does the process of urbanization in developing world differ from that of developed world? Discuss in brief the various factors leading to urbanization in developing world. 4+6 = 10
2. Attempt a functional classification of towns in India. Give suitable examples. 10

**SECTION-II**

**Answer any one question**

10×1 = 10

3. Discuss the factors leading to decay of the Urban Core. 10
4. Write a short note on morphology of Indian Cities. 10

5. What do you mean by inner and outer fringe? Describe their characteristics. 5+5 = 10
6. Mention the impact of urbanization on environment with particular examples from India. 10

**SECTION-III**

7. Define the following terms ( *any two* ): 2.5×2 = 5
- (a) Urban heat island
  - (b) Megalopolis
  - (c) Basic functions of urban centres
  - (d) Census towns
  - (e) Urban village.

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