



**COOCH BEHAR PANCHANAN BARMA UNIVERSITY**

B.A. Programme 5th Semester Examinations, 2022

**GEOGRAPHY**

**DSE -1 (GROUP-3)**



Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable.*

**The question paper contains 2A1 and 2A2.  
The candidates are required to choose any *one* from *two* courses.  
Candidates should mention it clearly on the Answer Book.**

**2A1**

**GEOGRAPHY OF INDIA**

**SECTION-I**

**Answer any *one* question from the following**

15×1=15

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

1. Write about any one physiographic region in India, with suitable example. 15  
উপযুক্ত উদাহরণসহ ভারতের যে-কোন একটি ভূ-প্রাকৃতিক অঞ্চল সম্পর্কে লেখ।
2. Write a short note on cotton-producing states in India. 15  
ভারতে কার্পাস উৎপাদক রাজ্যগুলি সম্বন্ধে সংক্ষেপে আলোচনা কর।
3. What factors affect the location of India's iron and steel Industries? 15  
ভারতের লোহা ও ইস্পাত শিল্পের অবস্থানকে কোন বিষয়গুলি প্রভাবিত করে ?

**SECTION-II**

**Answer any *one* question from the following**

10×1=10

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

4. Explain density-wise distribution of population in India. 10  
ভারতে জনসংখ্যার ঘনত্ব-ভিত্তিক বণ্টন ব্যাখ্যা কর।
5. Discuss the importance of the Himalayas in India. 10  
ভারতে হিমালয়ের গুরুত্ব আলোচনা কর।
6. Write the distribution of coal in India. 10  
ভারতে কয়লার বণ্টন লেখ।



## SECTION-III

5×1=5

Answer any *one* question from the following

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

7. What are the differences between the north Indian rivers and the south Indian rivers? 5  
উত্তর ভারতীয় নদী এবং দক্ষিণ ভারতীয় নদীর মধ্যে পার্থক্য কি ?
8. Write a short note on the automobile industry of India. 5  
ভারতের অটোমোবাইল শিল্পের উপর একটি সংক্ষিপ্ত নোট লেখ।
9. What are the favourable condition of sugarcane producing? 5  
আখ উৎপাদনের অনুকূল অবস্থা কি ?

## SECTION-IV

1×10=10

10. Answer any *ten* questions from the following:

নিম্নলিখিত যে-কোন দশটি প্রশ্নের উত্তর দাও:

- (a) Which channel separates Andaman and Nicobar Group?  
কোন চ্যানেল আন্দামান ও নিকোবর গ্রুপকে আলাদা করে ?
- (b) Where does the eastern ghats and western ghats meet?  
পূর্ব ঘাট ও পশ্চিম ঘাট কোথায় মিলিত হয় ?
- (c) Winter rain in Chennai is caused by \_\_\_\_\_.  
চেন্নাইতে শীতের বৃষ্টির কারণ হল \_\_\_\_\_।
- (d) Which is the longest river in India?  
ভারতের দীর্ঘতম নদী কোনটি ?
- (e) Where was India's first cotton textile mill setup?  
ভারতের প্রথম কটন টেক্সটাইল মিল কোথায় স্থাপন করা হয়েছিল ?
- (f) Which direction-flowing rivers generally form estuaries at their mouth?  
কোন দিকে প্রবাহিত নদীগুলি সাধারণত তাদের মুখে মোহনা তৈরি করে ?
- (g) What is Karewa?  
Karewa কী ?
- (h) Give an example of two types of iron ore.  
দুই ধরনের লৌহ আকরিকের উদাহরণ দাও।
- (i) Which state has highest density of population?  
কোন রাজ্যের জনসংখ্যার ঘনত্ব সবচেয়ে বেশি ?
- (j) Which state has highest sex ratio?  
কোন রাজ্যে লিঙ্গ অনুপাত সবচেয়ে বেশি ?
- (k) What is regur?  
রেগুর কী ?
- (l) Where is the largest coal mine in India located?  
ভারতের বৃহত্তম কয়লা খনি কোথায় অবস্থিত ?
- (m) What does HYV mean?  
HYV মানে কি ?
- (n) What is the full form of NLM?  
NLM-এর পূর্ণরূপ কি ?

2A2

ECONOMIC GEOGRAPHY

SECTION-I



Answer any one question from the following

15×1=15

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

1. Briefly discuss Von Thunen's theory of agricultural location and evaluate its relevance in present context. 10+5  
ভন থুনের কৃষিক্ষেত্রের অবস্থান তত্ত্বটি সংক্ষেপে আলোচনা কর এবং বর্তমান সময়ে এর প্রাসঙ্গিকতা মূল্যায়ন কর।
2. Discuss the favourable conditions for the development of cotton textile Industry. Describe the spatial distribution of cotton textile industry in India. 10+5  
কার্পাস বয়ন শিল্পের উন্নয়নের অনুকূল অবস্থা আলোচনা কর। ভারতে কার্পাস বয়ন শিল্পের স্থানিক বণ্টন বর্ণনা কর।
3. Mention the difference between Road and Air transport system. Assess the role of rail transport system in Indian economy. 5+10  
সড়ক ও বিমান পরিবহন ব্যবস্থার মধ্যে পার্থক্য উল্লেখ কর। ভারতীয় অর্থনীতিতে রেল পরিবহন ব্যবস্থার ভূমিকা মূল্যায়ন কর।

SECTION-II

Answer any one question from the following

10×1=10

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

4. Discuss the favourable conditions for the development of Dairy Industry. 10  
দুগ্ধশিল্পের উন্নয়নের জন্য অনুকূল অবস্থার বর্ণনা কর।
5. Define subsistence agriculture. Mention the characteristics of such agricultural practice. 10  
জীবিকা কৃষির সংজ্ঞা দাও। এই ধরনের কৃষি অনুশীলনের বৈশিষ্ট্য উল্লেখ কর।
6. Briefly discuss about the advantages and disadvantages of water transport system in India. 5+5  
ভারতে জল পরিবহন ব্যবস্থার সুবিধা ও অসুবিধা সম্পর্কে সংক্ষেপে আলোচনা কর।

SECTION-III

Answer any one question from the following

5×1=5

নিম্নলিখিত যে-কোন একটি প্রশ্নের উত্তর দাও

7. Discuss the role of coal in the economic development of India. 5  
ভারতের অর্থনৈতিক উন্নয়নে কয়লার ভূমিকা আলোচনা কর।
8. Differentiate between primary and secondary type of economic activities. 5  
প্রাথমিক ও মাধ্যমিক ধরনের অর্থনৈতিক কার্যক্রমের মধ্যে পার্থক্য আলোচনা কর।
9. Discuss the problems of Dairy Industry in India. 5  
ভারতে দুগ্ধশিল্পের সমস্যা আলোচনা কর।



## SECTION-IV

1×10=10



10. Answer any *ten* questions from the following:

নিম্নলিখিত যে-কোন দশটি প্রশ্নের উত্তর দাও:

- (a) What is Quaternary economic activity?  
Quaternary অর্থনৈতিক কার্যকলাপ কি ?
- (b) Give an example of Tertiary activity of man.  
মানুষের তৃতীয় ক্রিয়াকলাপের উদাহরণ দাও।
- (c) Which is the chief character of the intensive subsistence agriculture?  
কোনটি নিবিড় নির্বাহ কৃষির প্রধান চরিত্র ?
- (d) Which country produce highest coal in the world?  
বিশ্বের সবচেয়ে বেশি কয়লা উৎপাদন করে কোন দেশ ?
- (e) \_\_\_\_\_ is called the Manchester of India.  
\_\_\_\_\_ কে ভারতের ম্যানচেস্টার বলা হয়।
- (f) In which book the theory of agricultural location was put forward by Von Thunen?  
কোন বই-এ ভন থুনের কৃষি অবস্থানের তত্ত্বটি উপস্থাপন করেন ?
- (g) In Von Thunen's theory of agricultural location, production of dairy is located in \_\_\_\_\_ ring.  
ভন থুনের কৃষি অবস্থানের তত্ত্বে, দুগ্ধ-র উৎপাদন \_\_\_\_\_ বলয়ে অবস্থিত।
- (h) In which region of the world, Intensive subsistence agriculture is practiced?  
বিশ্বের কোন অঞ্চলে নিবিড় নির্বাহ কৃষি চর্চা করা হয় ?
- (i) Mention a characteristic of primary activity.  
প্রাথমিক কার্যকলাপের একটি বৈশিষ্ট্য উল্লেখ কর।
- (j) Which is the chief crop in the intensive subsistence agriculture?  
নিবিড় নির্বাহ কৃষিতে প্রধান ফসল কোনটি ?
- (k) First railway run in India in 1853 between \_\_\_\_\_ .  
ভারতের প্রথম রেলপথ ১৮৫৩ সাল থেকে \_\_\_\_\_ -এর মধ্যে চালানো হয়।
- (l) Point out a disadvantage of air transport system.  
বিমান পরিবহন ব্যবস্থার একটি অসুবিধা উল্লেখ কর।
- (m) Which is the busiest airport of India?  
ভারতের ব্যস্ততম বিমানবন্দর কোনটি ?
- (n) The greatest exporter of dairy products in the World is \_\_\_\_\_ .  
বিশ্বের সবচেয়ে বড় দুগ্ধজাত রপ্তানিকারক দেশ হল \_\_\_\_\_ ।
- (o) Name one sea port of East coast of India.  
ভারতের পূর্ব উপকূলের একটি সমুদ্র বন্দরের নাম বল।
- (p) What is regur soil?  
রেগুর মৃত্তিকা কি ?

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**COOCH BEHAR PANCHANAN BARMA UNIVERSITY**

B.A. Honours 5th Semester Examinations, 2022

**GEOGRAPHY**

**DSE-1**



Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**The question paper contains DSE-A1 and DSE-A2.  
The candidates are requested to answer any *one* from two courses.  
Candidates should mention it clearly on the Answer Book.**

**DSE: A1**

**URBAN GEOGRAPHY**

**GROUP-A**

**Answer any *one* question from the following** 15×1 = 15

1. Define Urban Geography. Discuss the recent trends in urban geography. 5+10
2. Evaluate the Sector Theory and Multiple Nuclei Theory in the light of their characteristics and applicability. 15
3. Attempt a comparative study of patterns of urbanisation in developed and developing countries. 15

**GROUP-B**

**Answer any *one* question from the following** 10×1 = 10

4. Discuss the problems of Slums in metropolitan cities of India.
5. What is CBD? Describe in brief the main features of CBD. 2+8
6. What is ecumenopolis? Who coined this term? Is an ecumenopolis possible? Illustrate. 2+1+7

**GROUP-C**

**Answer any *one* question from the following** 5×1 = 5

7. Write a short note on Primate City.
8. State the importance of urban belt.
9. Point out the differences between Metropolitan Area and Metropolitan Region.



**GROUP-D**

1×10 = 10

10. Answer any *ten* questions from the following:

- (i) According to Rank Size rule, what would be the population of the 4th largest city of a country with 32,000 population?
- (ii) Who propounded the Law of Primate City?
- (iii) Who is called the father of Urban Geography of India?
- (iv) Who developed concentric zone theory of city?
- (v) Mention the major reason for urbanisation in India.
- (vi) Name one metropolis of India.
- (vii) Which Indian state has the most slums?
- (viii) What is ghost town?
- (ix) Write the correct sequence of stages of urban development as postulated by Mumford from the following. (Polis, Ecopolis, Megalopolis, Metropolis)
- (x) Primate cities can be found in both developed and developing countries. (True / False)
- (xi) What is urban growth?
- (xii) Name one industrial town of India.
- (xiii) The word Megalopolis was coined by \_\_\_\_\_.
- (xiv) A census town must have a total population of at least \_\_\_\_\_.
- (xv) How many circles are there around the CBD in the Concentric Zone Theory?

**DSE: A2**

**POPULATION GEOGRAPHY**

**GROUP-A**

Answer any *one* question from the following

15×1 = 15

- 1. Define Economic Composition of Population. Discuss the occupational structure of Indian population according to census 2011. What is Dependency Ratio? 3+10+2
- 2. Critically analyse the theory of Demographic Transition with suitable diagrams and proper examples. 15
- 3. Define Optimum Population. What are the issues related with Zero Population Growth? Briefly discuss the different measures of fertility. 2+3+10



**GROUP-B**

Answer any *one* question from the following

- |    |  |           |
|----|--|-----------|
| 4. | Discuss the scope and content of Population Geography.           | 10×1 = 10 |
| 5. | Explain the reasons for Population Explosion in South East Asia. | 10        |
| 6. | Briefly narrate the Marxian Theory of Population Growth.         | 10        |

**GROUP-C**

Answer any *one* question from the following

- |    |  |         |
|----|--|---------|
| 7. | Write a short note on theory of migration by Everetts Lee.       | 5×1 = 5 |
| 8. | What are the objectives of NRHM 2005?                            | 5       |
| 9. | Distinguish between Stable population and Stationary population. | 5       |

**GROUP-D**

10. Answer any *ten* questions from the following: 1×10 = 10

- (a) What is IMR?
- (b) Who is known as 'Father of Demography'?
- (c) In which year Ravenstein published the 'Laws of Migration'?
- (d) \_\_\_\_\_ is expressed as the number of children born to a woman during her entire reproductive age.
- (e) Which state has the lowest population density in India according to Census 2011?
- (f) What is Replacement Ratio?
- (g) Name the most populous state in India.
- (h) World population reached eight billion in the year \_\_\_\_\_.
- (i) What is Man-Land Ratio?
- (j) Name a country experiencing Negative Population Growth.
- (k) \_\_\_\_\_ of population in India is involved with service sector.
- (l) Define Morbidity.
- (m) What is live birth?
- (n) Which year is considered a great demographic divide in India?
- (o) What is the full form of NPP?

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**COOCH BEHAR PANCHANAN BARMA UNIVERSITY**  
B.A. Honours 5th Semester Examinations, 2022

**GEOGRAPHY**

**REGIONAL PLANNING AND TRANSPORT GEOGRAPHY**

**CORE-11**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*



**GROUP-A**

**Answer any one question from the following**

15×1 = 15

1. What is Planning Region? Explain the various Planning Regions of India. 3+12
2. Explain the Rimmer model of Transportation. Write a short note on Cyclomatic number. 12+3
3. Define Natural Region. Write the characteristics of micro level planning using suitable examples from India. 3+12

**GROUP-B**

**Answer any one question from the following**

10×1 = 10

4. Discuss the various problems of urban transportation. 10
5. Discuss the nature and scope of Transport Geography. 10
6. Distinguish between formal and functional region with suitable examples. 10

**GROUP-C**

**Answer any one question from the following**

5×1 = 5

7. Write a short note on economic planning. 5
8. Explain Aggregate Transportation Score. 5
9. Discuss any two ratio measures of Transport analysis. 5



GROUP-D

1×10 = 10

10. Answer any *ten* questions from the following:



- (a) Write the full form of DPAP.
- (b) What is another name for local planning?
- (c) What is node?
- (d) Write the formula for Beta Index.
- (e) Give an example of Adhoc region.
- (f) Vance's model of transportation is based on a study of \_\_\_\_\_.
- (g) Who proposed core-periphery model of economic development?
- (h) Write the full form of TCPO.
- (i) Name of planning region after P. Sengupta.
- (j) \_\_\_\_\_ planning involves specific directive.
- (k) Define Compagne region.
- (l) What is NITI Aayog?
- (m) Inductive planning is also known as \_\_\_\_\_ planning.
- (n) What is the full form of NCR?
- (o) What is the formula of Beta Index?

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**GEOGRAPHY**

**DSE-2**



Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

The question paper contains **CARTOGRAPHY** and **FLUVIAL GEOMORPHOLOGY**.  
The candidates are required to answer any *one* from *two* courses.  
Candidates should mention it clearly on the Answer Book.

**CARTOGRAPHY**

**GROUP-A**

Answer any *one* question from the following

15×1 = 15

1. Discuss the nature, scope and history of cartography. 4+4+7
2. Prove that radius of any parallel ( $\phi$ ) in Conical Equal Area projection with one standard parallel is  $-R\sqrt{\cot^2 \phi_0 - (2 \sin \phi / \sin \phi_0) + 2}$ . Write down the principle and properties of the same projection. 10+2 $\frac{1}{2}$ +2 $\frac{1}{2}$
3. What is Triangulation? Write the uses of theodolite survey. Describe the methods of finding out the height and distance of an object above benchmark from two collinear instrument stations where instrument heights are same and base of the object is inaccessible. Draw neat sketch also. 3+2+10

**GROUP-B**

Answer any *one* question from the following

10×1 = 10

4. Make a comparative analysis of Simple Conical Projection with II standard parallels and Conical Equal Area Projection with I standard parallel. 10
5. Explain in detail about the determination of accuracy level in Nested Mean Method of Choropleth mapping. 10
6. Discuss the sources of error in a Theodolite Survey. 10

**GROUP-C**

Answer any *one* question from the following

5×1 = 5

7. Distinguish between Perspective and Non-perspective projections. 5
8. Write down the different uses of a choropleth map. 5
9. Write down the usage of Transit theodolite. 5



**GROUP-D**

10. Answer any *ten* questions from the following:

1×10 = 10

- (a) Write the full form of UTM.
- (b) The rhumbline appears as \_\_\_\_\_ in Mercator projection.
- (c) Give example of a poly-superficial projection.
- (d) Define Line of Collimation.
- (e) Define Levelling.
- (f) Write the difference between azimuth and bearing.
- (g) Name one of the earliest proponents of choropleth map.
- (h) Mention one merit of choropleth map.
- (i) Define standard parallel.
- (j) Give one example of a non-developable surface.
- (k) The word choropleth comes from the word \_\_\_\_\_.
- (l) What is a generating globe?
- (m) What is centering?
- (n) Give example of an elliptical projection.
- (o) The first atlas of the world was prepared by \_\_\_\_\_.

**FLUVIAL GEOMORPHOLOGY**

**SECTION-I**

Answer any *one* question from the following

15×1 = 15

1. Describe the nature and scope of Fluvial Geography. Explain its recent trends in applied geomorphology. 10+5
2. What are major characteristics of a braided river channel? Explain the process of origin and evolution of braided river channel. 3+12
3. Elucidate the various erosional processes of a river and its associated landforms. 5+10

SECTION-II

Answer any *one* question from the following

10×1 = 10

4. Explain the various features associated with a floodplain. 10
5. Define Drainage Basin. Explain the role of Drainage Basin as a controlling factor of velocity of river. 2+8
6. Briefly describe the various types of channel pattern with suitable diagram. 10

SECTION-III

Answer any *one* question from the following

5×1 = 5

7. Briefly describe the formation of ox-box lakes.
8. Define bifurcation ratio.
9. What do you know about hydraulic action?



SECTION-IV

10. Answer any *ten* questions from the following:

1×10 = 10

- (i) Define Abrasion.
- (ii) Alluvial fans are developed in the \_\_\_\_\_ zone.
- (iii) The \_\_\_\_\_ delta exhibits the best example of bird foot.
- (iv) What is Natural Levee?
- (v) Mention two characteristics of a braided river.
- (vi) Write the formula for Ruggedness Index.
- (vii) Give example of a Rejuvenated stream.
- (viii) Canyons are result of \_\_\_\_\_ work of river.
- (ix) What is the unit of river discharge?
- (x) Name any one paleo river channel found in Kochbihar district.
- (xi) What is Thalweg?
- (xii) Name any two methods of stream ordering.
- (xiii) What is meant by Sinuosity Index?
- (xiv) Give example of a Knickpoint falls from India.
- (xv) In which situation river reach graded condition?

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