



UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 3rd Semester Examination, 2019

CC5-GEOGRAPHY (305)

CLIMATOLOGY

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

SECTION-I

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

1×5 = 5

- (a) Environmental Lapse Rate (E.L.R)
- (b) Solar Wind
- (c) G layer of atmosphere
- (d) Albedo
- (e) Buys Ballot Law
- (f) Noctilucent cloud
- (g) Dew Point
- (h) MONEX.

SECTION-II

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

5×3 = 15

- (a) Differentiate between absolute humidity and relative humidity. 5
- (b) What are the salient features of the Indian monsoon? 5
- (c) Give a brief account of factors controlling horizontal distribution of temperature on earth. 5
- (d) Explain the mode of origin of tropical cyclones with suitable diagrams. 5
- (e) Classify fogs according to their physical characteristics. 5

SECTION-III

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

10×2 = 20

- (a) Give a detailed account of the pressure belts and wind belts of the earth. 10
- (b) Give an account of the life cycle of an extra-tropical cyclone with suitable diagrams. 10
- (c) Define inversion of temperature and give an account of types of temperature inversion. 10
- (d) Divide the earth into different climatic regions according to the scheme suggested by Koppen. 10

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CC6-GEOGRAPHY (306)

Time Allotted: 2 Hours

Full Marks: 40

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SECTION-I

1. Answer any **five** questions from the following: 1×5 = 5
- (a) Sample space
 - (b) GDM
 - (c) Variance
 - (d) Universe
 - (e) Discrete variable
 - (f) Continuous series
 - (g) Attribute
 - (h) Correlation co-efficient.

SECTION-II

2. Attempt any **three** questions from the following: 5×3 = 15
- (a) What is the significance of statistics in geography? 5
 - (b) Define probability and give a real life example involving probability. 5
 - (c) Differentiate between uniform distribution and normal distribution. 5
 - (d) What are the fundamental principles of sampling? 5
 - (e) Explain the term 'bias' in sample survey. How can bias be eliminated? 5

SECTION-III

3. Answer any **two** questions from the following: 10×2 = 20
- (a) Define measurement. Make a classification of scales of measurements with examples. 2+8 = 10
 - (b) Define geographical data matrix. What are the different types of geographical data matrix? 2+8 = 10
 - (c) Explain the term sampling. Discuss random and stratified sampling. 2+8 = 10
 - (d) What are the sources of data for geographers? Explain with examples. 10

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CC7-GEOGRAPHY (307)

Time Allotted: 2 Hours

Full Marks: 40

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SECTION-I

1. Answer any **five** questions from the following: 1×5 = 5
- (a) Main Boundary Thrust (MBT)
 - (b) Northern Sarkars
 - (c) Duns
 - (d) Western Disturbances
 - (e) Scheduled Caste (SC)
 - (f) Social Forestry
 - (g) Khari boli
 - (h) BSNL.

SECTION-II

2. Answer any **three** questions from the following: 5×3 = 15
- (a) Give a brief account of the salient features of Lower Ganga Plain. 5
 - (b) Write a short account on the influence of Southern Oscillations on monsoons in India. 5
 - (c) Give a short account on the distribution of tropical deciduous forests in India. 5
 - (d) Write a note on the effects of Green Revolution on production of rice in India. 5
 - (e) Give a short account on the distribution of major language groups in India. 5

SECTION-III

3. Answer any **two** questions from the following: 10×2 = 20
- (a) Give an account of the major soil groups of India. Mention the areas where they are found. 10
 - (b) What is the basis of physiographic regionalisation of India, as suggested by R.L. Singh? Mention the names of the physiographic zones. 10
 - (c) Give an account of the development of automobile industry in India. What are the future prospects of this industry? 10
 - (d) What is the basis of agricultural regionalization in India? Divide India into different agricultural regions and state their respective locations. 10