



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 6th Semester Examination, 2022

**GEOADSE06T-GEOGRAPHY (DSE3/4)**

**RESOURCE GEOGRAPHY**

Time Allotted: 2 Hours

Full Marks: 50

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

**CATEGORY-A**

1. Answer any **two** questions from the following: (within 600 words each) 10×2 = 20
- (a) Why utilitarian-based adaptation is an important and essential approach for resource utilization? Explain with examples. 10
- (b) 'Now-a-days our world has been facing energy crisis' — Highlight the major problems and suggest suitable management measures to mitigate the problems. 10
- (c) Why is water saving necessary? Discuss the major national and international issues and strategies taken regarding water saving. 2+8=10

**CATEGORY-B**

2. Answer any **four** questions from the following: (within 150 words each) 5×4 = 20
- (a) Explain why conservational approach is essential for resource utilization.
- (b) Give a brief account on management of natural resources.
- (c) How does resource become a backbone of economic growth and development of a country?
- (d) Discuss the consequences of fossil fuel depletion in near future.
- (e) Highlight the problems of Bauxite production in the world.
- (f) Suggest measures for conservation of non-conventional energy resources.
- (g) State the distribution of iron ores in the world.

**CATEGORY-C**

3. Answer any **five** questions from the following: (within 50 words each) 2×5 = 10
- (a) Define community based adaptation to resource utilization.
- (b) Mention the role of resource in economic development.

- (c) Mention the most threatened forests in the world.
- (d) Discuss how solar energy is a possible substitute of conventional energy resource.
- (e) What is the necessity of re-cycling of resources?
- (f) Mention some uses of bauxite.
- (g) State the importance of resource sharing.
- (h) How far is social forestry important in forest management?
- (i) Mention the problems of iron-ore production in India.

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 6th Semester Examination, 2022

**GEOADSE05T-GEOGRAPHY (DSE3/4)**

**SOCIAL GEOGRAPHY**

Time Allotted: 2 Hours

Full Marks: 50

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Candidates should answer in their own words and adhere to the word limit as practicable.*

**CATEGORY-A**

**Answer any two questions from the following (within 600 words each) 10×2 = 20**

1. What is meant by 'Quality of life'? Assess the role of education and health care as an important measure of social well being with suitable examples.
2. How does caste influence the spatial distribution of Indian Society? What are the basic criteria behind delineation of social class prevalent in India?
3. What is meant by 'Space'? Discuss the role of social differentiation and stratification in the development of Indian Society. 2+8

**CATEGORY-B**

**Answer any four questions from the following (within 150 words each) 5×4 = 20**

4. Identify the major steps to reduce social differentiation prevalent in India.
5. Briefly discuss the social stratification.
6. Briefly explain 'Social groups' with examples from India.
7. What are the impacts of slums on social environments.
8. Distinguish between absolute space and relational space.
9. Write a brief note on 'Social Impact Assessment'.
10. Discuss briefly how social exclusion influences crime.

**CATEGORY-C**

Answer any *five* questions from the following (within 50 words each)

2×5 = 10

11. Define Socio-cultural regions.
12. What is meant by 'class'?
13. What is meant by 'Gated Community'?
14. What do you mean by communal conflicts?
15. What do you mean by slums?
16. "Include the Excluded" is the objective of studying Social Geography." Explain.
17. "Education reduces inequality"- Explain.
18. What are the determinants of Social Behaviour?
19. How does one's neighborhood influence social behaviour?

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**GEOADSE04T-GEOGRAPHY (DSE3/4)**

Time Allotted: 2 Hours

Full Marks: 50

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Candidates are required to give their answers in their own words as far as practicable.  
All symbols are of usual significance.*

**CATEGORY-A**

**Answer any two questions from the following within 600 words each** 10×2 = 20

1. Explain the factors that affect the surface run off. Draw diagram to illustrate your answer. 8+2
2. What is drainage basin? Describe the factors that influence the recharge of ground water. 2+8
3. What are the factors influencing the distribution of temperature and salinity of ocean water? 5+5

**CATEGORY-B**

**Answer any four questions from the following within 150 words each** 5×4 = 20

4. State the importance of hydrological cycle.
5. Explain the hydrological features of a drainage basin.
6. State the principles of watershed management.
7. State the vertical distribution of ground water.
8. Discuss the characteristic features of continental shelf.
9. Give an account of chemical properties of ocean water.
10. Write in brief about the characteristics of vertical distribution of ocean water salinity.

**CATEGORY-C**

**Answer any five questions from the following within 50 words each**

**2×5 = 10**

11. What is sublimation?
12. What is watershed management?
13. What is mid-oceanic ridge?
14. What is intermittent spring?
15. Define hydraulic conductivity.
16. What is hydrograph?
17. What is connate water?
18. Mention the major physical properties of ocean water.
19. What is photic zone?

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**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 6th Semester Examination, 2022

**GEOACOR13T-GEOGRAPHY (CC13)**

**EVOLUTION OF GEOGRAPHICAL THOUGHT**

Time Allotted: 2 Hours

Full Marks: 50

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Candidates should answer in their own words and adhere to the word limit as practicable.  
All symbols are of usual significance.*

**CATEGORY-A**

**Answer any two questions from the following within 600 words each** 10×2 = 20

1. Which period is known as the age of discovery and exploration? How has it expanded the horizon of geographical studies? 3+7
2. Explain the nature of man-environment relations with respect to different schools of Geographical Thought. 10
3. Discuss the contribution of Arab Geographers in the field of Geography during the Dark Ages. Why Al-Beruni's work is important in the context of India? 8+2

**CATEGORY-B**

**Answer any four questions from the following within 150 words each** 5×4 = 20

4. Explain the significance of positivism in Quantitative Revolution.
5. Why is Behavioural Geography regarded as the logical outgrowth of positivist approach in Geography?
6. What are the contributions of Confucius in Geography?
7. Justify why Vidal-de-la Blache is called the father of Human Geography.
8. Write about the main features contributed by the Greek Geographers in the ancient period.
9. Write a brief note on areal differentiation.
10. Distinguish between absolute and relative space.

**CATEGORY-C**

**Answer any five questions from the following within 50 words each**

**2×5 = 10**

11. What is dualism in Geography?
12. What is time-space prism?
13. What is climatic determinism?
14. Name two geographers who applied system approach in geomorphological studies.
15. Mention the basis of Radicalism.
16. Name eminent British Geographers who contributed to the study of Regional Geography.
17. What is critical geography?
18. Distinguish between humanistic geography and behavioural geography.
19. How does system approach relate regional identity?

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**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 6th Semester Examination, 2022

**GEOACOR14T-GEOGRAPHY (CC14)**

Time Allotted: 2 Hours

Full Marks: 40

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Candidates should answer in their own words and adhere to the word limit as practicable.*

**CATEGORY-A**

**Answer any *one* question from the following within 600 words** 10×1 = 10

1. Explain the role of spatial and radiometric resolution in visual image interpretation. What are the special characteristics of water and vegetation in blue, green and NIR bands? 4+6
2. Explain how remote sensing and GIS act as a coupled system for geographical studies. How GIS is related to DBMS? 7+3

**CATEGORY-B**

**Answer any *four* questions from the following within 150 words each** 5×4 = 20

3. How does a GNSS Satellite Communicates ground based receiver unit?
4. Explain the concept of atmospheric window.
5. Explain how spatial data and non-spatial data integrate to make a GIS.
6. State the energy sources of remote sensing. How does it work?
7. Explain the role of sensor used in a Satellite.
8. State merits and demerits of raster data format.
9. Explain the importance of multi-spectral satellite image.

**CATEGORY-C**

**Answer any five questions from the following within 50 words each**

**2×5 = 10**

10. What do you mean by image classification?
11. How the band combination changes in preparing the standard FCC from IRS?
12. What is the important band combination used in IRS Satellite for mapping water bodies?
13. What is meta data? Give example.
14. What is the purpose of georeferencing?
15. Why turbid water appears in brighter tone than clear water on a standard FCC?
16. What are the different forms of Scattering?
17. How the image is enhanced?
18. What is atmospheric correction?

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