



WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 5th Semester Examination, 2020, held in 2021

GEOACOR11T-GEOGRAPHY (CC11)

FIELDWORK AND RESEARCH METHODOLOGY

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.
All symbols are of usual significance.*

CATEGORY-A

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

1. Critically analyse the different field techniques and tools adopted in any geographical study. 10
2. Give a brief account of the different sources of Literature Review. How Literature Review in any research help in the formulation of Research Design? 4+6=10

CATEGORY-B

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

3. What are the ethical protocols that should be kept in mind during the household survey?
4. Mention the criteria for the selection of a research problem.
5. Mention the significance of fieldwork in Geographical studies.
6. Discuss the significance of an applied research.
7. Discuss the advantages and disadvantages of participant observation method.
8. What are the essential parts of a Research Report?
9. Mention the characteristics of a good questionnaire.

CATEGORY-C

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

2×5 = 10

10. Mention different types of research design.
11. What is phenomenology?
12. Define 'Research gap'.
13. Give examples of non-parametric test.
14. How does inventory report help for preparing master data table?
15. Mention the importance of 'Keywords'.
16. Why do we write Abstract in a research paper?
17. Name two referencing systems with examples.
18. Why Pre-Field work is important?

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 5th Semester Examination, 2020, held in 2021

GEOACOR12T-GEOGRAPHY (CC12)

DISASTER MANAGEMENT

Time Allotted: 2 Hours

Full Marks: 40

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All symbols are of usual significance.*

CATEGORY-A

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

1. What are the factors responsible for major cyclonic landfalls in Indian subcontinents? How can we reduce the worse effect of cyclones by proper management? 6+4=10
2. What are the differences between hazard and disaster? Explain different approaches to hazard study. 3+7=10

CATEGORY-B

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

3. What is meant by disaster preparedness-Explain with examples.
4. Distinguish between *quasi natural* and *man made* hazards with examples.
5. What are the damage magnitudes according to the Richter scale?
6. How geospatial techniques are applied for hazards mapping?
7. What measures can be taken to combat the problem of bank erosion of the Ganga in Malda and Murshidabad district?
8. What do you understand by capacity building in hazard management?
9. What are the post-disaster management strategies of earthquake?

CATEGORY-C

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

2×5 = 10

10. What is hazard mapping?
11. What is meant by preparedness in disaster mitigation?
12. What is meant by aftershock of an earthquake?
13. What is risk perception?
14. What do you mean by anthropogenic hazard?
15. What is trauma in hazard response?
16. What is the 'eye' of a cyclone?
17. What is vulnerability index?
18. Define resilience with respect to hazards.
19. Write about two major impacts of human activities on riverbank erosion.

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WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 5th Semester Examination, 2020, held in 2021

GEOADSE01T-GEOGRAPHY (DSE1/2)

SOIL AND BIOGEOGRAPHY

Time Allotted: 2 Hours

Full Marks: 50

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CATEGORY-A

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

1. Explain the role of climate and time in soil formation. 10
2. Define biosphere. Critically discuss a terrestrial ecosystem with its energy sources, energy exchange and food chain. 2+8
3. How does the pH of soil affect plant growth? Explain the importance of soil organic matter for the diversification of crops. 4+6

CATEGORY-B

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

4. Briefly discuss the horizons of Laterite soil.
5. State the importance of NPK on crop growth.
6. Discuss the role of soil texture on formation of soil structure.
7. What are the orders and their characteristics in U.S.D.A.'s Seventh Approximation of soil classification?
8. Distinguish between food chain and food web. State the importance of the food chain.
9. How does biomass pyramid differ from energy pyramid?

10. Discuss the problem of soil salinization leading to its degradation.

CATEGORY-C

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

2×5 = 10

11. Define the term Pedon.
12. What is hygroscopic water?
13. What is red data book?
14. Distinguish between solum and regolith.
15. Define ecocline and ecotone.
16. What is the biological clock?
17. What is field capacity?
18. What is carbon-nitrogen ratio?
19. Define Biodiversity Hotspot.

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WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 5th Semester Examination, 2020, held in 2021

GEOADSE02T-GEOGRAPHY (DSE1/2)

Time Allotted: 2 Hours

Full Marks: 50

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CATEGORY-A

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

1. Explain the pattern of rural settlements in relation to site and situation with special reference to India. Examine the role of social segregation in designing the layout of rural settlements in India. 6+4
2. What are the problems related to rural infrastructure in India? What are the policies to cope up with the problems? 6+4
3. What does urban hierarchy mean? Discuss how Christaller's Theory of Central Place justifies the concept of urban hierarchy. 3+7

CATEGORY-B

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

4. Differentiate between urban and peri-urban areas.
5. What do you understand by conurbation?
6. Explain the concept of city region.
7. Briefly discuss the multiple nuclei model after Harris and Ullman.
8. Classify cities according to function as discussed by Mckenzie.
9. Differentiate between rural house-types of plains and hilly regions in India.
10. Discuss the characteristics of a metropolitan city.

CATEGORY-C

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

2×5 = 10

11. Mention the reasons for growth of dispersed settlements.
12. Define nodal towns.
13. What are the Garrison towns?
14. Define Central Business District.
15. Define urban sprawl.
16. Differentiate between statutory and census towns.
17. What are the effects of sunlight and wind direction on rural house type?
18. What do you understand by primate city?
19. What is urban agglomeration?

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WEST BENGAL STATE UNIVERSITY
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GEOADSE03T-GEOGRAPHY (DSE1/2)

POPULATION GEOGRAPHY

Time Allotted: 2 Hours

Full Marks: 50

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CATEGORY-A

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

1. How much is the Malthusian theory of population relevant to contemporary world? Does the population size control the development of the concerned nation? 6+4
2. State the causes of different internal migration with reference to India and mention its impact on both source and destination regions. 6+4
3. Briefly describe the different stages of age-sex pyramid with proper example. Explain in what stage you will place India in the Demographic Transition model and why? 7+3

CATEGORY-B

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

4. Correlate population and environmental degradation. 5
5. Explain briefly the recent trends of urbanization in India. 5
6. Discuss the impact of female literacy on the population structure in rural area. 5
7. What are the causes of declining growth of population in India since 1991? 5
8. Discuss the physical factors responsible for uneven distribution of population in India. 5
9. Mention the salient features of the recent population policy of India and its relevance to nation's population control. 5
10. Discuss the measures of fertility. 5

CATEGORY-C

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

2×5 = 10

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| 11. | What is the possible impact of an increased dependency ratio? | 2 |
| 12. | Define zero population growth. | 2 |
| 13. | What is Transhumance? | 2 |
| 14. | Mention two major population problems of India. | 2 |
| 15. | Differentiate between Population Geography and Demography. | 2 |
| 16. | Why is declining sex ratio considered as antagonistic side of a society? | 2 |
| 17. | What are the goal posts of Human Development Index? | 2 |
| 18. | What do you mean by over population and under population? | 2 |
| 19. | Define 'Cohort'. | 2 |

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