

U.G. 6th Semester Examinations 2022

GEOGRAPHY (Honours)

Paper Code : DC 13 A
(Disaster Management)

Full Marks : 25

Time : Two Hours

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

Group - A

Answer any **one** question of the following :

10×1=10

1. Briefly discuss different types of hazards. Differentiate 'hazard' from 'disaster'. 6+4
2. What do you mean by risk perception. Analyze the factors influencing public risk perception. 2+8

Group - B

Answer any **three** questions of the following :

5×3=15

3. What do you mean by human vulnerability to hazards? 5
 4. Write a short note on the hazard paradigm. 5
 5. What type of community preparedness are necessary against earthquake hazard. 5
 6. Briefly explain different controlling measures of landslides in mountain region. 5
 7. What is disaster resilience? Write a short note on capacity building of human being to a hazard. 2+3
 8. Write down the consequences of a cyclone hazard with suitable examples from West Bengal. 5
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U.G. 6th Semester Examinations 2022

GEOGRAPHY (Honours)

Paper Code : DC 14 A

(Evolution of Geographical Thought)

Full Marks : 25

Time : Two Hours

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

Group - A

Answer any **one** question of the following :

10×1=10

1. Describe the scope of Geography. Generally discuss about the contribution of three Greek philosophers in the development of Geographical Thought. 3+7
2. What do you mean by Quantitative Revolution in Geography? In what way did it affect Geography as a subject and its subsequent course of development? 4+6

Group - B

Answer any **three** questions of the following :

5×3=15

3. Discuss the contribution of the Arabs in development of Geography. 5
 4. How is Regional Geography different from Systematic Geography? Elaborate with examples. 5
 5. Critically examine the concept of dualism with special references to Physical versus Human geography. 5
 6. Describe the impact of Feminism on Geography? 5
 7. Discuss the Contribution of Alexander Von Humboldt as founder of Modern Geography. 5
 8. Write short notes on : 2½+2½
 - (a) Possibilism
 - (b) Immanuel Kant
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UG 6th Semester Examinations 2022

GEOGRAPHY (Honours)

Paper Code : DSE 3A

Full Marks : 25

Time : Two Hours

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

Human Geography

Group - A

Answer any **one** question of the following : 10×1=10

1. Explain in details about the 'population resource region', with suitable examples. 10
2. Discuss how Eskimos and Santhals have very different adaptations to their living environment.
Describe the social characteristics of Gaddi tribe. 6+4

Group - B

Answer any **three** questions of the following : 5×3=15

3. What are the elements of human geography? 5
 4. Distinguish between the concepts of 'race' and 'ethnicity'. 5
 5. Write a short note on Santhals as human group (tribal) adopted to their local environment. 5
 6. What are the problems faced by industrial and urban societies in the present century? 5
 7. Write a short note on the scope of Human Geography. 5
 8. Write a short note on pastoral nomadism. 5
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(2)

Applied Geomorphology

Group - A

Answer any **one** question of the following :

10×1=10

1. Define the term Anthropogeomorphology. Discuss the direct and indirect impact of human activities on geomorphic processes and landforms. 2+8
2. What is Alien landscape? Write the application of geomorphology in engineering project and military sector. 2+8

Group - B

Answer any **three** questions of the following :

5×3=15

3. Write in brief about the importance of geomorphology on urban development. 5
 4. Briefly describe the typical anthropogenic landforms in urban areas. 5
 5. What are the changes in fluvial action due to construction of Dam. 5
 6. What are the surface modification due to mining. 5
 7. Write a short note on River Basin Management. 5
 8. Write a short note on Reclamation of arid and semi-arid land in the Thor Desert region. 5
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U.G. 6th Semester Examinations 2022

GEOGRAPHY (Honours)

Paper Code : SEC 2

(Climate Change : Vulnerability and Adaptations)

Full Marks : 40

Time : 2 Hours

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

Group - A

Answer any **two** questions of the following :

10×2=20

1. Discuss the nature of climate change concerning the geological time scale with suitable examples. What is Carbon Trading? Write briefly the significance of it in the present global scenario? 7+1+2
2. Write about the impact of Climate Change on flora and fauna. What is the necessity of the Climate Fund? What is COP? 7+2+1
3. Write about the advantages and disadvantages of CDM. Write about the Kyoto Protocol. 6+4
4. What do you know about the Daily Heat Balance? Write a short note on IPCC. 5+5

Group - B

Answer any **four** questions of the following :

5×4=20

5. Explain how is the global warming related to sea-level rise. 5
6. Explain the key issues of the national action plan on Climate Change in India. 5
7. Discuss any two adoptive strategies to combat climate change. 5
8. Discuss the suitable examples of the impact of climate change on inland water bodies. 5

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9. What is Environmental Engineering? What do you know about Electromagnetic Spectrum? 2+3
10. What is meant by Dendrochronology and write its significance for studying climate change. 5
11. Write a brief note on Community Risk Assessment. 5
12. Write about Carbon Dioxide theory. Define atmospheric window. 3+2
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UG/6th Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DC - 14B

[CBCS]

(SET - 2)

Full Marks : 15

Time : One and Half Hours

The figures in the margin indicate full marks.

1. Suppose that a random sample size 28, drawn from a normal population has mean 6.1 and standard deviation 3.4. Can it be said that the sample was drawn from a normal population with mean 4.1 at 5% level of confidence while applying Z test? [given that $\alpha 0.05=1.96$] 5
2. A random sample of 200 students were classified according to their gender and choice of stream of study as follows :

| gender | preference for stream of study at undergraduate level | | |
|--------|---|----------|---------|
| | humanities | commerce | science |
| female | 45 | 27 | 19 |
| male | 38 | 43 | 28 |

Test whether the two attributes, gender and preference

P.T.O.

(2)

for stream of studies are associated or not (Given $X^2_{.01}=9.21$ for 2 degree of freedom). 7

3. Laboratory Note Book and Viva-voce. 1+2=3

UG/6th Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DC - 13B

[CBCS]

(SET - 2)

Full Marks : 15

Time : One and Half Hours

The figures in the margin indicate full marks.

1. The following record of maximum flood peaks is available for a river. Construct the probability curve (Weibull's method) with necessary calculation based on the given data. (Use any graph paper) 5

| Year | Annual flood in 1000 Cumec. | Rank |
|------|--------------------------------|------|
| 1996 | 105.5 | 1 |
| 1999 | 96.4 | 2 |
| 2000 | 92.3 | 3 |
| 1995 | 85.5 | 4 |
| 2001 | 80.5 | 5 |
| 1998 | 72.8 | 6 |
| 1997 | 66.7 | 7 |
| 1993 | 58.2 | 8 |
| 1992 | 56.5 | 9 |
| 1994 | 52.5 | 10 |

P.T.O.

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2. Determine the flood years based on Annual flood level data given below and plot accordingly. $2+5=7$

| YEAR | Annual Highest Flood Level (m) | Remark |
|------|--------------------------------|----------------------------|
| 1984 | ① 25.38 | Warning Level=22.5m |
| 1985 | 23.85 ⑤ | |
| 1986 | 23.22 ⑧ | |
| 1987 | 24.05 ④ | ③ Danger Level=23.20m |
| 1988 | 22.04 ② | |
| 1989 | 23.42 ⑥ | |
| 1990 | 20.96 ④ | Highest flood level=23.80m |
| 1991 | 21.4 ③ | |
| 1992 | 22.91 ⑨ | |
| 1993 | 25.51 ② | |
| 1994 | 23.88 ⑩ | |
| 1995 | 23.32 ⑦ | |
| 1996 | 22.89 ⑧ | 10 |
| 1997 | 22.25 ⑪ | 11 |
| 1998 | 20.64 ⑤ | |

3. Laboratory Note Book and Viva-voce.

$1+2=3$

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Or,

Human Geography

Answer all the questions.

1. Following table shows the population and distance (in km) of three urban centre.

| Urban Centre | A (Distance) | B (Distance) | C (Distance) |
|----------------------------------|-----------------|-----------------|-----------------|
| A <u>population</u> 100000 | | 80 km | 40 km |
| B <u>population</u> 75000 | 80 km | | 25 km |
| C <u>population</u> 60000 | 40 km | 25 km | |

Calculate the population potential of each centre and interpret the significance of the derived result. $7+1=8$

2. Make a short discussion on significance of Human Development Index (HDI). What is meant by population mean centre? $2+2=4$

3. Laboratory Note Book and Viva-voce. $1+2=3$

UG/6th Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DP - 4

(Field Report)

[CBCS]

(SET - 1)

Full Marks : 50

Time : Four Hours

The figures in the margin indicate full marks.

Format and marks allotment :

- Preparation of field report 30

[Mode : Field visit, measurement, collection of data and report preparation by students under the supervision of faculty member(s)]

- Viva-voce 10

[Duration of viva-voce for each students : not to exceed 10 minutes]

- Internal assessment 10
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