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( 6th Semester )

GEOGRAPHY

NINTH PAPER

( Introduction to Geographical Thought )

Full Marks : 75

Time : 3 hours

( PART : B—DESCRIPTIVE )

( Marks : 50 )

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. What is geography? Discuss the scope of geography. 2+8=10
2. Give an account of the contribution of either Arab or Roman scholars towards the development of geography during the classical period. 10

G7/399a

( Turn Over )

UNIT—II

3. Assess the impact of exploration to the development of geographical ideas and knowledge during the 'Great Age of Discovery'. 10
4. Narrate the contribution of Carl Ritter as one of the founder of modern geography. 10

UNIT—III

5. Discuss the dichotomy of physical geography vs. human geography. 10
6. Elaborate the concept of possibilism in the study of man-environment relationship. 10

UNIT—IV

7. Analyze the ideas and contribution of either Hartshorne or Carl Sauer to the development of geography as a chronological science. 10
8. Discuss the general system theory in geography. 10

G7/399a

( Continued )

( 3 )

UNIT—V

9. Describe in brief Quantitative Revolution in geography. 10
10. Give a brief description of the development of radicalism in geography. 10

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Subject Code : GEOG/VI/09

Booklet No. **A**

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**GEOG/VI/09**

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( 6th Semester )

**GEOGRAPHY**

NINTH PAPER

**( Introduction to Geographical Thought )**

( PART : A—OBJECTIVE )

( Marks : 25 )

*The figures in the margin indicate full marks for the questions*

Answer **all** questions

SECTION—A

( Marks : 10 )

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×10=10

**1.** The known world during the Puranic period of ancient India was divided into

(a) five dwipas ( )

(b) six dwipas ( )

(c) seven dwipas ( )

(d) eight dwipas ( )

( 2 )

2. The Greek scholar who is known as the 'father of geography' was

(a) Hecataeus ( )

(b) Anaximander ( )

(c) Strabo ( )

(d) Posidonius ( )

3. The book entitled, *Geographia Generalis* belongs to

(a) A. V. Humboldt ( )

(b) Vidal de La Blache ( )

(c) Immanuel Kant ( )

(d) Bernhard Varenius ( )

4. 'Ankündigung' is the work of

(a) Varenius ( )

(b) Immanuel Kant ( )

(c) Carl Ritter ( )

(d) Friedrich Ratzel ( )

( 3 )

5. Halford J. Mackinder is well-known for his

- (a) Heartland theory ( )
- (b) Rimland concept ( )
- (c) concept of space ( )
- (d) theory of evolution of species ( )

6. Who wrote *Political Geography* in which 'State' is compared to an organism?

- (a) Carl Sauer ( )
- (b) Hartshorne ( )
- (c) Charles Darwin ( )
- (d) Friedrich Ratzel ( )

7. Carl Sauer's monumental work is entitled

- (a) *Anthropogeographie* ( )
- (b) *Historical Memoirs* ( )
- (c) *Morphology of Landscape* ( )
- (d) *Erdkunde* ( )

- 8.** The paper published by F. K. Schaefer in reaction to Hartshornean tradition of regional paradigm entitled
- (a) *Perspective on the Nature of Geography* ( )
  - (b) *Exceptionalism in Geography—A Methodological Examination* ( )
  - (c) *Influence of Geographic Environment* ( )
  - (d) *Democratic Ideals and Reality* ( )
- 9.** Humanism in geography developed as a criticism against
- (a) possibilism and determinism ( )
  - (b) positivism and quantitative revolution ( )
  - (c) behaviouralism and radicalism ( )
  - (d) realism and Marxism ( )
- 10.** Post-modernism in geography developed in reaction to
- (a) historicism in modern geographical thought ( )
  - (b) feminism in modern geographical thought ( )
  - (c) existentialism in modern geographical thought ( )
  - (d) modernism in modern geographical thought ( )

( 5 )

SECTION—B

( *Marks* : 15 )

Write on the following in not more than 5 sentences each :

3×5=15

**1.** Gnomon



( 6 )

**2. Kosmos**

GEOG/VI/09/399

( 7 )

**3. Environmental determinism**

( 8 )

**4. Areal differentiation**

( 9 )

5. Modernism in geography

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2 0 1 7

( 6th Semester )

GEOGRAPHY

TENTH PAPER

( Introduction to Remote Sensing and GIS )

Full Marks : 55

Time : 2½ hours

( PART : B—DESCRIPTIVE )

( Marks : 35 )

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. Discuss the history of aerial photograph. 7
2. Describe the uses of aerial photograph in geographical studies. 7

UNIT—II

3. What is stereoscope? What are the different types and their uses? 2+5=7
4. Write short notes on the following : 3+2+2=7
  - (a) Principal point
  - (b) Fiducial marks
  - (c) Flight line

UNIT—III

5. Briefly describe about the methods of determination of air-photo scale. 7
6. Give in detail about the elements of image interpretation. 7

UNIT—IV

7. What is remote sensing? Explain various sensors employed in remote sensing. 2+5=7
8. Discuss various applications of remote sensing technology in geographical studies. 7

( 3 )

UNIT—V

9. Discuss the various components of Geographical Information System. 7
10. Briefly describe the relevance of GIS technology in geographical studies. 7

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**Subject Code : GEOG/VI/10**

**Booklet No. A**

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**GEOG/VI/10**

**2 0 1 7**

( 6th Semester )

**GEOGRAPHY**

TENTH PAPER

**( Introduction to Remote Sensing and GIS )**

( PART : A—OBJECTIVE )

( Marks : 20 )

*The figures in the margin indicate full marks for the questions*

SECTION—A

( Marks : 5 )

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×5=5

- 1.** The main functional blocks of a Multispectral Scanner (MSS) are given below :
1. Video processor
  2. Dispersive system
  3. Detector
  4. Signal conditioner
  5. Collecting optics

Which one of the following sequences is correct?

- (a) 1, 4, 5, 3, 2      (    )
- (b) 5, 3, 2, 4, 1      (    )
- (c) 5, 2, 3, 1, 4      (    )
- (d) 1, 3, 2, 4, 5      (    )



- 2.** The basic requirement of any sensor system is
- (a) radiometric resolution ( )
  - (b) spatial resolution ( )
  - (c) spectral resolution ( )
  - (d) temporal resolution ( )
  - (e) All of the above ( )
- 3.** The arrangement of terrain features which provide attributes—the shape, size and texture of object is called
- (a) spectral variation ( )
  - (b) spatial variation ( )
  - (c) temporal variation ( )
  - (d) None of the above ( )
- 4.** The reflective index of the ocean water
- (a) increases with salinity ( )
  - (b) increases with temperature ( )
  - (c) decreases with salinity ( )
  - (d) decreases with temperature ( )

( 3 )

5. Raster data is related to

(a) large data volume ( )

(b) simple data structure ( )

(c) pixel ( )

(d) point, line and polygon ( )

( 4 )

SECTION—B

( Marks : 15 )

Write on the following :

3×5=15

1. Types of aerial photograph

( 5 )

2. Overlap and sidelap of aerial photography

( 6 )

3. Uses of parallax base

( 7 )

4. Sun-synchronous satellites

( 8 )

**5. Meaning of GIS**

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**2 0 1 7**

( 6th Semester )

**GEOGRAPHY**

**TWELFTH (B) PAPER**

**( Regional Geography of Mizoram )**

*Full Marks : 75*

*Time : 3 hours*

( PART : B—DESCRIPTIVE )

( Marks : 50 )

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one**  
from each Unit

UNIT—I

1. Discuss the climatic condition of Mizoram. 10
2. Describe the major soil condition of Mizoram.  
Illustrate your answer with the help of a  
map. 6+4=10

**G7/401a**

( Turn Over )

UNIT—II

3. Give a geographical account of Mizoram  
under the given heads : 5+5=10  
(a) Growth of population since 1901  
(b) Occupational structure
4. Define migration. Discuss the different  
causes that influenced migration in Mizoram.  
3+7=10

UNIT—III

5. Describe the various patterns of settlements  
in Mizoram. What are the factors that  
influenced the changing pattern of  
settlement in Mizoram? 4+6=10
6. Discuss the factors that influence rapid  
growth of urbanization in Mizoram. 10

UNIT—IV

7. Describe the forest resources of Mizoram.  
Suggest measures to conserve forest  
resources of Mizoram. 6+4=10

**G7/401a**

( Continued )



( 3 )

8. Define shifting cultivation. Discuss the advantages and disadvantages of shifting cultivation. 3+7=10

UNIT—V

9. Describe how religion influence changes in the society of Mizoram. 10
10. Write short notes on the following : 5+5=10
- (a) Landslides in Mizoram
- (b) Transport network in Mizoram

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Subject Code : GEOG/VI/12(b)

Booklet No. **A**

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**GEOG/VI/12 (b)**

**2 0 1 7**

( 6th Semester )

**GEOGRAPHY**

TWELFTH (B) PAPER

**( Regional Geography of Mizoram )**

( PART : A—OBJECTIVE )

( Marks : 25 )

*The figures in the margin indicate full marks for the questions*

SECTION—A

( Marks : 10 )

Put a Tick (✓) mark against the correct answer in the  
brackets provided : 1×10=10

**1.** The North-South dimension of Mizoram is

(a) 285 km ( )

(b) 258 km ( )

(c) 200 km ( )

(d) 265 km ( )

( 2 )

2. Which type of climate prevails in Mizoram?

(a) Temperate climate ( )

(b) Tundra climate ( )

(c) Monsoon climate ( )

(d) Equatorial climate ( )

3. The total population of Mizoram according to 2011 Census is

(a) 11.52 lakh ( )

(b) 10.91 lakh ( )

(c) 9.58 lakh ( )

(d) 8.88 lakh ( )

4. In which festival the early Mizos make offering to death relatives?

(a) Pawl Kut ( )

(b) Khuangchawi ( )

(c) Chapchar Kut ( )

(d) Mim Kut ( )

5. Urban population of Mizoram as in 2001 Census is

(a) 38.60% ( )

(b) 45.56% ( )

(c) 49.65% ( )

(d) 51.10% ( )

6. In which year, the British decided to merge the two areas into a district under the Superintendent?

(a) 1887 ( )

(b) 1889 ( )

(c) 1898 ( )

(d) 1901 ( )

7. Which is the biggest river in Mizoram?

(a) Tuirial river ( )

(b) Tlawng river ( )

(c) Khawthlangtuipui river ( )

(d) Chhimentuipui river ( )

( 4 )

**8.** In which year was Mizoram declared as 'disturbed area' by the Government of India?

(a) 1962 ( )

(b) 1966 ( )

(c) 1967 ( )

(d) 1969 ( )

**9.** Name the National Highway which connects Silchar (Assam) with Tuipang (Mizoram).

(a) National Highway 54 ( )

(b) National Highway 52 ( )

(c) National Highway 53 ( )

(d) National Highway 51 ( )

**10.** In which district Chawngte lies?

(a) Lunglei district ( )

(b) Lawngtlai district ( )

(c) Saiha district ( )

(d) Serchhip district ( )

( 5 )

SECTION—B

( Marks : 15 )

Write short notes on any *three* of the following : 5×3=15

1. Drainage system of Mizoram

( 6 )

**2. Religions of Mizoram**



( 7 )

**3. Urbanization in Mizoram**

( 8 )

**4. Cottage industries of Mizoram**

( 9 )

**5. Development of railways in Mizoram**

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