

2 0 1 6

(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 changing nature of Geography. 2+8=10
2. Give an account of the geographical ideas of ancient Greeks either in the field of Physical Geography or Mathematical Geography. 10

UNIT—II

3. Discuss the geographical knowledge of Immanuel Kant to foundation of scientific geography during the Renaissance period. 10
4. Assess the impact of Alexander von Humboldt expedition and discoveries to the development of Geography as a modern science. 10

UNIT—III

5. How far do you agree the dichotomy of Systematic Geography and Regional Geography? 10
6. Discuss the consequences of Friedrich Ratzel application of Darwinism to his theory of Organic State. 10

UNIT—IV

7. “Geography as the Chorological science of the earth surface” as described by Alfred Hettner. Discuss. 10
8. What is meant by Geography as the study of areal differentiation? 10

(3)

UNIT—V

9. “The Quantitative Revolution is a scientific transformation of Geography.” Explain the statement. 10
10. What is post-modernism? Discuss clearly three components of post-modernism. 2+8=10

Subject Code : GEOG/VI/09

Booklet No. **A**

[Empty dashed box]

Date Stamp

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**
Subject
Paper

[Empty dashed box]

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

Roll No.

Regn. No.

Subject

Paper

Descriptive Type

Booklet No. B

INSTRUCTIONS TO CANDIDATES

- 1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**
- 2. This paper should be ANSWERED FIRST and submitted within 1 (one) Hour of the commencement of the Examination.**
- 3. While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

*Signature of
Scrutiniser(s)*

*Signature of
Examiner(s)*

*Signature of
Invigilator(s)*

GEOG/VI/09

2 0 1 6

(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 main source of information about geographical concept of ancient India is derived from

- (a) the religious records ()
- (b) materials collected from pilgrimage ()
- (c) various travellers' accounts ()
- (d) trade and commercial activities ()

(2)

2. Strabo wrote as many as 43 volumes under the title of

(a) *Geographia generalis* ()

(b) *Historical Memoir* ()

(c) *Almagast* ()

(d) *Anthropogeographie* ()

3. Name the first scholar who divided geography into general/universal geography and special/regional geography.

(a) Immanuel Kant ()

(b) Alexander von Humboldt ()

(c) Bernhard Varenius ()

(d) Claudius Ptolemy ()

4. Which area was called the Heartland by Mackinder?

(a) Southeast Asia ()

(b) Western Europe ()

(c) Central Africa ()

(d) Central Asia ()

(3)

5. Which of the following statements is not true?

- (a) Ritter was a contemporary of Humboldt ()
- (b) Ritter believed in empirical research ()
- (c) Ritter was not a teleologist ()
- (d) Ritter was one of the founder of modern geographical thought ()

6. The approach describing physical setting as a determinant of human ways of life is

- (a) environmentalism ()
- (b) determinism ()
- (c) possibilism ()
- (d) voluntarism ()

7. Carl O. Sauer was a proponent of

- (a) possibilism ()
- (b) determinism ()
- (c) neo-determinism ()
- (d) environmentalism ()

(4)

8. The statement “Geography is concerned to provide accurate, orderly, rational description and interpretation of the variable character of the earth surface” is attributed to

- (a) F. Ratzel ()
- (b) Immanuel Kant ()
- (c) Richard Hartshorne ()
- (d) Humboldt ()

9. The Radical approach in geography is believed to be a reaction to

- (a) behaviouralism ()
- (b) idealism ()
- (c) realism ()
- (d) positivism ()

10. Which of the following is one of the major themes in Humanistic Geography?

- (a) Human awareness and human agency ()
- (b) Human consciousness and creativity ()
- (c) Geographical knowledge ()
- (d) Organisation of human activity ()

(5)

SECTION—B

(Marks : 15)

Answer the following questions in not more than
5 sentences each : 3×5=15

1. What were important sources of the Arab geographical knowledge?

(6)

2. What is understood by the geocentric universe and heliocentric universe?

(7)

3. What is possibilism?

(8)

4. What is the basis of Erdkunde of Carl Ritter?

(9)

5. What you know about Radical approach in Geography?

2 0 1 6

(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. What is aerial photography? What are different types of aerial photograph? 3+4=7
2. Describe the uses of aerial photographs in geographical studies. 7

UNIT—II

3. Differentiate between overlap and side lap in an aerial photograph. 4+3=7
4. Write short notes on the following : 3+2+2=7
 - (a) Fiducial marks
 - (b) Fiducial axis
 - (c) Principal point

UNIT—III

5. Define parallax bar. Mention the uses of parallax bar. 4+3=7
6. Explain the methods of scale determination in an aerial photograph. 7

UNIT—IV

7. Explain different kinds of platform used for remote sensing studies. 7
8. What is satellite orbit? Describe the main types of sensor in remote sensing. 2+5=7

(3)

UNIT—V

9. What is cartography? What are the advantages of GIS in cartography? 2+5=7
10. Discuss the major relevance of GIS technology in geographical studies. 7

Subject Code : GEOG/VI/10

Booklet No. A

.....

Date Stamp

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**
Subject
Paper

.....

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

Roll No.

Regn. No.

Subject

Paper

Descriptive Type

Booklet No. B

INSTRUCTIONS TO CANDIDATES

- 1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**
- 2. This paper should be ANSWERED FIRST and submitted within 45 minutes of the commencement of the Examination.**
- 3. While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

*Signature of
Scrutiniser(s)*

*Signature of
Examiner(s)*

*Signature of
Invigilator(s)*

GEOG/VI/10

2 0 1 6

(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

Answer **all** questions

SECTION—A

(Marks : 5)

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

1. Who among the following was known as Nadar?

(a) Gaspard Felix Tournachon ()

(b) James Wallace Black ()

(c) E. D. Archibald ()

(d) Arthur Batut ()

(2)

2. For a given flying height of the aircraft, larger scale aerial photographs can be obtained by using a camera with a

- (a) small focal length ()
- (b) large focal length ()
- (c) slow shutter speed ()
- (d) small f-stop ()

3. Which of the following sensors can penetrate vegetation cover?

- (a) Optical sensor ()
- (b) Infrared sensor ()
- (c) Thermal sensor ()
- (d) All types of sensor ()

4. In which of the following formats are most of the digital remote sensing images collected?

- (a) Raster ()
- (b) Vector ()
- (c) Always a combination of raster and vector ()
- (d) Neither raster nor vector ()

(3)

5. The spectral range of human eye is

(a) 0.2 to 1.0 micron ()

(b) 0.3 to 0.7 micron ()

(c) 0.3 to 0.9 micron ()

(d) 0.4 to 0.7 micron ()

(4)

SECTION—B

(Marks : 15)

Write notes on the following :

3×5=15

1. Terrestrial and convergent aerial photographs

(5)

2. Pocket and mirror stereoscopes

(6)

3. Size and site in image interpretation

(7)

4. Geo-synchronous satellite

(8)

5. Hardware components of GIS

2 0 1 6

(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. Divide Mizoram into natural vegetation zones and describe each of them in brief. 3+7=10
2. Describe the major drainage systems of Mizoram. 10

UNIT—II

3. Give a geographical account of Mizoram under any *two* of the following heads : 5×2=10
 - (a) Population growth
 - (b) Density and sex ratio
 - (c) Occupational structure
4. Give a brief account of Mizoram on any *two* of the following : 5×2=10
 - (a) Culture
 - (b) Language
 - (c) Religion
 - (d) Ethnic groups

UNIT—III

5. Trace the history and evolution of settlements in Mizoram. 10
6. Explain clearly the administrative changes in Mizoram from its Union Territory status till date. 10

(3)

UNIT—IV

7. Discuss the development of agriculture in Mizoram. What type of agricultural system would be most profitable for Mizoram? 5+5=10
8. What is small-scale industry? Discuss the development of small-scale industry in Mizoram. 2+8=10

UNIT—V

9. Discuss the development of transport and communication network in Mizoram. 10
10. Write short notes on the following : 5+5=10
- (a) Shifting cultivation
- (b) Deforestation

Subject Code : GEOG/VI/12(b)

.....

Booklet No. A

Date Stamp

.....

.....

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**
Subject
Paper

To be filled in by the Candidate
DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**
Roll No.
Regn. No.
Subject
Paper
Descriptive Type
Booklet No. B

INSTRUCTIONS TO CANDIDATES

- 1. **The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**
- 2. **This paper should be ANSWERED FIRST and submitted within 1 (one) Hour of the commencement of the Examination.**
- 3. **While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

Signature of Scrutiniser(s)

Signature of Examiner(s)

Signature of Invigilator(s)

GEOG/VI/12(b)

2 0 1 6

(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

Answer **all** questions

SECTION—A

(Marks : 10)

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

1. The latitudinal extent of Mizoram is

(a) 21 56 N 24 31 N ()

(b) 21 57 N 24 32 N ()

(c) 22 56 N 25 32 N ()

(d) 22 57 N 25 33 N ()

(2)

2. The lowest point in Mizoram is

(a) Zawlnuam ()

(b) Tlabung ()

(c) Kanhmun ()

(d) Bairabi ()

3. The literacy rate in Mizoram according to 2011 Census is

(a) 91.34 ()

(b) 95.18 ()

(c) 84.17 ()

(d) 88.80 ()

4. The largest plain in Mizoram is

(a) Tuipui ()

(b) Chemphai ()

(c) Champhai ()

(d) Thenzawl ()

5. The longest river in Mizoram is

- (a) Tuivawl ()
- (b) Tlawng ()
- (c) Chhimtuipui ()
- (d) Tuirial ()

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

- (a) 1,091,014 ()
- (b) 1,086,500 ()
- (c) 1,495,500 ()
- (d) 1,010,117 ()

7. The first District Council Election of Mizo Hills District was held in the year

- (a) 1956 ()
- (b) 1952 ()
- (c) 1957 ()
- (d) 1953 ()

(4)

8. According to 2011 Census, at the district level, the density of population is highest in

- (a) Kolasib ()
- (b) Kolasib Saiha ()
- (c) Kolasib Lunglei ()
- (d) Aizawl ()

9. Mizoram is connected by National Highway

- (a) No. 44 ()
- (b) No. 38 ()
- (c) No. 54 ()
- (d) No. 37 ()

10. The number of National Parks in Mizoram is

- (a) 5 ()
- (b) 7 ()
- (c) 2 ()
- (d) 3 ()

(5)

SECTION—B

(*Marks* : 15)

Write short notes on the following :

3×5=15

1. Inner Lines

(6)

2. Physiographic divisions of Mizoram

GEOG/VI/12(b)/**321**

(7)

3. Power and electricity in Mizoram

(8)

4. Patterns of migration in Mizoram

(9)

5. Religious composition of Mizoram
