

D 40141

(Pages : 3)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2018

(CUCBCSS—UG)

Geography

GRY 6B 11—GENERAL GEOGRAPHY OF INDIA

Time : Three Hours

Maximum : 80 Marks

I. Answer all *ten* of following given in A and B :

A. Choose the correct answer from the following :

1 Smallest state in India :

- (a) Sikkim. (b) Tripura.
(c) Goa. (d) Mizoram.

2 The south of the bhabar a long narrow strip of swampy lowland with silty soil is called :

- (a) Khadar. (b) Bhangar.
(c) Tarai. (d) Kankar.

3 The largest coffee cultivating state in India :

- (a) Karnataka. (b) Kerala.
(c) Tamil Nadu. (d) Assam.

4 The largest gypsum producing state :

- (a) Madhya Pradesh. (b) Bihar.
(c) Orissa. (d) Rajasthan.

5 The largest populous state in India as per census 2011 :

- (a) West Bengal. (b) Maharashtra.
(c) Bihar. (d) Uttar Pradesh.

B. Mark the following statements as true or false :

- 6 India stands at the head of the Indian ocean at the very centre of the eastern hemisphere.
7 Silent Valley National Park is located at Munnar.
8 Kharif season starts with the onset of monsoons and continues till the beginning of winter.
9 Coimbatore is also known as Cottonopolis in India.
10 The high male literacy state / union territory in India is Kerala.

(10 × 1 = 10 marks)

Turn over

II. Answer all *seven* questions of the following in not more than 50 words :

- 11 The Aravalli Range.
- 12 Community Forestry.
- 13 The Penneru.
- 14 Kudankulam.
- 15 Green Revolution.
- 16 VISL.
- 17 Globalisation.

(7 × 2 = 14 marks)

III. Answer any *five* of the following in not more than 150 words :

- 18 Differentiate between Western Ghats and Eastern Ghats.
- 19 Describe the factors responsible for soil formation.
- 20 List out the problems of Indian soils.
- 21 Write a short note on cotton Cultivation in India.
- 22 Describe the bauxite distribution and production in India.
- 23 Explain the El Nino and La Nina effects on Indian climate.
- 24 Describe the international trade of India.

(5 × 4 = 20 marks)

IV. Answer any *four* of the following in not more than 150 words :

- 25 Write a short note on the Eastern Himalayas.
- 26 Mentioned the effects of salinity and alkalinity.
- 27 Explain the constraints in adoption of new seeds.
- 28 Describe the problems of plantation agriculture in Kerala.
- 29 Explain the conservation of resources.
- 30 Describe the ship building Industry in India.
- 31 Describe the national water ways in India.

(4 × 4 = 16 marks)

V. Write essays on any *two* of the following in about 300 words each :

32 Discuss the different types of physiographic regions in India with suitable diagram.

33 Analyse the formation and characteristics of Indian monsoon.

34 Discuss the distribution and production of Iron and Steel industry in India.

35 Distribution, growth and density of population in India is not uniform. Comment.

(2 × 10 = 20 marks)

D 40142

(Pages : 3)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2018

(CUCBCSS—UG)

Geography

GRY 6B 12—GEOGRAPHICAL APPRAISAL OF KERALA

Time : Three Hours

Maximum : 80 Marks

I. Answer all *ten* of following given in part A and B :

A. Choose the correct answer from the following :

1 The total number of Lakes in Kerala is :

(a) 30. (b) 32.

(c) 33. (d) 34.

2 The district of Kerala which has least sex ratio:

(a) Kollam. (b) Wayanad.

(c) Idukki. (d) Kottayam.

3 A pass connecting Kollam and Tamil Nadu:

(a) Kollam pass. (b) Aryankavu pass.

(c) Perambadi pass. (d) Thamarassery pass.

4 The first wind farm in Kerala:

(a) Idukki. (b) Ramakalmedu.

(c) Kanchikkodu. (d) Wayanad.

5 Land of cashew is:

(a) Kottayam. (b) Kollam.

(c) Kannur. (d) Calicut.

B. Mark the following statements as true or false :

6 Kerala constitute 2.18 % of total land area of India.

7 Equatorial rocket launching station started in 1962 at Mahendragiri.

8 Malampuzha is the biggest dam in the state.

9 Kuruva island is situated in Bhavani river.

10 Thenmala is the first Butterfly Safari Park in Asia.

(10 × 1 = 10 marks)

Turn over

II. Answer all *seven* of the following in not more than 50 words :

- 11 Literacy in Kerala.
- 12 Thula varsham.
- 13 Mullaperiyar issue.
- 14 National waterway 3.
- 15 Laterite soil.
- 16 East flowing rivers.
- 17 Palakkad gap.

(7 × 2 = 14 marks)

III. Answer any *five* questions of the following in not more than 150 words :

- 18 "Monsoon is life giving rain in Kerala" Explain.
- 19 Briefly explain the characteristics of the soil found in Kerala.
- 20 Write a short note on locational significance of Kerala.
- 21 What are the problems of urbanization of Kerala ?
- 22 Write a short note on major water ways in Kerala.
- 23 Discuss spatial changes in density and distribution of population in Kerala.
- 24 Give a short note National Parks and wild life sancturies in Idukki district.

(5 × 4 = 20 marks)

IV. Answer any *four* of the following in not more than 150 words :

- 25 Discuss the role of lakes and back waters in transportation of Kerala.
- 26 List out major urban centers of the Kerala state.
- 27 Explain the salient features of the physiographic divisions of Kerala.
- 28 What are the impacts of Gulf migration from Malabar Region ?
- 29 Discuss the problems in fishing sector of Kerala.
- 30 What is the significance of Palakkad gap in the climate of Kerala ?
- 31 Explain the agricultural seasons of rice cultivation in Kerala.

(4 × 4 = 16 marks)

V. Write essays on any *two* of the following in about 300 words each :

- 32 Give an account of drainage system of Kerala.
- 33 Discuss briefly the problems of industrial development of Kerala.
- 34 Write an essay on transportation net work of Kerala.
- 35 Explain the mineral resources of Kerala.

(2 × 10 = 20 marks)

D 40140

(Pages : 3)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2018

(CUCBCSS—UG)

Geography

GRY 6B 10—WORLD REGIONAL GEOGRAPHY

Time : Three Hours

Maximum : 80 Marks

I. Answer all *ten* of the following given in A and B :

A. Choose the correct answer from the following :

1 The seasonal range of temperature in equatorial region is :

- (a) 3° C. (b) 5° C.
(c) 7°C. (d) 9°C.

2 Which of the following is situated at the entrance of the Red sea?

- (a) Suez. (b) Baghdad.
(c) Aden. (d) Basra.

3 The approximate percentage share of land portion of the earth occupied by deserts :

- (a) 16%. (b) 14%.
(c) 12%. (d) 10%.

4 Temperate grassland in North America are known as:

- (a) Pampas. (b) Downs.
(c) Steppes. (d) Prairies.

5 Gold mining area in Australia:

- (a) Katanga. (b) Kalgoorlie.
(c) Sydney. (d) Adelaide.

B. Mark the following statements as true or false :

6 Evergreen forests form the natural vegetation in the lowlands of Amazon.

7 The main occupation of the people in the Taiga region is lumbering

8 Hartshorne developed the concept of Aerial Differentiation.

9 Moist deciduous forests are typical to Taiga regions.

10 Grand banks of Newfoundland is in warm temperate cool margin region.

(10 × 1 = 10 marks)

Turn over

II. Answer *all* the questions in not more than 50 words :

- 11 Savanna region.
- 12 Subsistence agriculture.
- 13 Animal life of Tundra region.
- 14 Prairies.
- 15 Chaparral.
- 16 Coniferous forest.
- 17 Functional region.

(7 × 2 = 14 marks)

III. Answer any *five* of the following in not more than 150 words :

- 18 Describe the agricultural systems in Equatorial region.
- 19 The Mediterranean lands are described as the orchards of the world. Explain.
- 20 Discuss the geographical condition found in Tundra region.
- 21 Mention the lumbering activities of Taiga region.
- 22 Write a note on climate of tropical desert region.
- 23 Examine the importance of tourism in Mediterranean regions.
- 24 Distinguish between formal regions and functional regions.

(5 × 4 = 20 marks)

IV. Answer any *four* of the following in not more than 150 words :

- 25 Discuss the agriculture activities in cool temperate maritime region.
- 26 Describe the salient features of Tropical grassland region.
- 27 Distinguish between natural and cultural region.
- 28 Provide a brief description of the classification of the region.
- 29 'The equatorial or tropical rainy forests are multilayered' - Justify.
- 30 Write a note on petroleum reserves in desert region.
- 31 Give an account on the climate in British type climatic region.

(4 × 4 = 16 marks)

- V. Write essays on any *two* of the following in about 400 words :
- 32 Write a note on the Geography of Taiga regions
 - 33 Bring out the salient *features of temperate grassland regions*.
 - 34 Provide a brief description of equatorial regions.
 - 35 Discuss the different approaches to regionalization.

(2 × 10 = 20 marks)

D 10631

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER U.G. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS—UG)

Geography

GRY 5B 05—HUMAN GEOGRAPHY

(2019 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A*Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. Describe the significance of Human Geography.
2. Write a description on Industrial Revolution.
3. What is Determinism ?
4. Identify the lifestyle of Eskimos.
5. Define Race and provide examples.
6. Write a short note on Shintoism.
7. What do you infer from Optimum Population ?
8. Define Cultural Hearth. Give an example.
9. Define Migration. List out its types.
10. India - China standoff. Is it a geo-political issue ?

(8 × 3 = 24 marks)

Section B*Answer at least six questions.**Each question carries 6 marks.**All questions can be attended.**Overall Ceiling 36.*

11. Write a note on Development of Human Geography.
12. Discuss the role of technology in Human development.

Turn over

13. Write a short note on Subsistence farming.
14. Describe the components of culture.
15. Distinguish between Possibilism and Probabilism.
16. Give a short account on Chinese religions.
17. Elucidate the economic and social life of people living in mountains of the world.
18. Discuss the problems faced by the developing countries.
19. Discuss in brief about Rimland Theory.
20. Give an account on Malthusian Theory of Population growth.

(6 × 6 = 36 marks)

Section C

Answer any two questions.

Each question carries 10 marks.

21. Define Human Geography. Give a detailed account of Branches in Human Geography.
22. Describe the major races of the world and their distribution.
23. Explain the factors influencing spatial distribution of population in the world.
24. Give an account of Heartland theory and find out its relevance in the modern world.

(2 × 10 = 20 marks)

D 30533

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Geography

GRY 5B 06—CARTOGRAPHY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Part A

I. Answer all *ten* of the following about 50 words. Each question carries 2 marks :

- 1 Define map scale.
- 2 What is NATMO ?
- 3 What is geodesy ?
- 4 Define mathematical model of the earth.
- 5 What are Toposheets ?
- 6 Illustrate any four symbols used by Survey of India to represent physical features.
- 7 What is GPS ?
- 8 Define Plane Surveying.
- 9 What are hachures ?
- 10 What are thematic map ?

(10 × 2 = 20 marks)

Part B

II. Answer any *six* of the following about 150 words. Each question carries 5 marks :

- 11 Write a short note on the historic development of cartography.
- 12 Write a note on Survey of India.
- 13 Describe the types of map projection.
- 14 Define datum and describe the types.

Turn over

- 15 Describe the different basis of classification of maps.
- 16 Write a note on Remote Sensing.
- 17 Describe the factors that are significant in lettering on a map.
- 18 Describe the different methods of visualization of socio-economic data.

(6 × 5 = 30 marks)

Part C

III. Answer any *one* of the following about 300 words. Each question carries 10 marks :

- 19 Differentiate map design and map lay out. Explain the principles of map design.
- 20 Explain the types and significance of special purpose maps.

(1 × 10 = 10 marks)

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(Pages : 3)

Name.....Vignu.....

Reg. No.....VVA55692Ph.....

FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS—UG)

Geography

GRY 5B 06—METHODOLOGY OF GEOGRAPHICAL STUDIES

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

Answer all questions.

Each question carries 1 mark.

One word answer :

1. The original source from which researcher collects information is :
 - a) Primary Source.
 - b) Secondary Source.
 - c) Both Primary and Secondary.
 - d) None of these.
2. _____ is the first step of Research process.
 - a) Formulation of hypothesis.
 - b) Collection of Data.
 - c) Editing and Coding.
 - d) Selection of a problem.
3. _____ consists of research findings and conclusions.
 - a) Research Report.
 - b) Hypothesis.
 - c) Sampling
 - d) Research proposal.
4. _____ data provides in-depth information relating to research problem.
 - a) Primary.
 - b) Secondary.
 - c) Tertiary.
 - d) Primary and Secondary.
5. Population Census is an example of _____ Research.
 - a) Survey.
 - b) Empirical.
 - c) Clinical.
 - d) Diagnostic.
6. Research is often referred to as scientific inquiry. (True/False)
7. The sample selected for research need not represent the universe. (True/False)

Turn over

8. Research design is a logical and systematic plan for conducting a research study (True/False)
9. Primary method of data collection is time consuming. (True/False)
10. Applied research is conducted to solve theoretical problems. (True/False)

(10 × 1 = 10 marks)

Section B

Answer at least five questions.

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 15.

11. Thematic map.
12. Bibliography.
13. Tabulation.
14. Deductive method.
15. Ordinal data.
16. Randomisation.
17. Unpublished sources.

(5 × 3 = 15 marks)

Section C

Answer at least seven questions.

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 35.

18. Compare and contrast spatial tradition and area studies tradition.
19. What is meant by environmental approaches in geography ?
20. Explain the importance of field work.
21. Give a note on the role of hypothesis in research.
22. What do you understand about scientific knowledge in research ?
23. Briefly explain about the sampling frame.
24. Explain case study method.
25. Write about the purposive sampling.

26. "Geography as a science" Explain.
27. How diagrams helpful for geographical research studies ?
28. Write a note on layout of research.
29. Write a brief account on systematic sampling.

(7 × 5 = 35 marks)

Section D

*Answer any two questions.
Each question carries 10 marks.*

30. Give a detailed account on the types of report.
31. Elaborate non probability sampling.
32. What are the problems in data collection ? Explain.
33. Explain models in geographical explanation.

(2 × 10 = 20 marks)

C 3537

12

(Pages : 2)

Name.....

Reg. No.....

FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2021

Geography

GRY 4B 04—OCEANOGRAPHY

Time : Two Hours and a Half

Maximum : 80 Marks

Part A

Answer at least eight questions.

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. Aphotic zone.
2. Mid Atlantic ridge.
3. Salinity.
4. Oceanographic Institutions in India.
5. Biological resource.
6. Thermohaline.
7. Exclusive Economic Zone.
8. Capillary wave.
9. Ocean water density.
10. Plate tectonic.

(8 × 3 = 24 marks)

Part B

Answer at least six questions.

Each question carries 6 marks.

All questions can be attended.

Overall Ceiling 36.

11. 'Oceanography is a system of science'? Explain.
12. Give a short note on early explorations in Oceanography.

Turn over

13. Explain about Atlantic Ocean bottom topography.
14. Write a note on ocean deposits and its associated features.
15. What are the compositions of sea water ? Explain.
16. Briefly explain about climatic change and sea level rise.
17. What is El Nino and La Nino ?
18. Write a short account on the thermohaline circulation.
19. Briefly explain about the marine energy.
20. What do you understand about coastal pollution ?

(6 × 6 = 36 marks)

Part C

*Answer any two questions.
Each question carries 10 marks.*

21. Explain horizontal and vertical distribution of temperature in the oceans.
22. Discuss in detail about ocean currents in the Pacific ocean.
23. Write a detailed account on the coral reefs and its types.
24. Describe the scope of learning oceanography.

(2 × 10 = 20 marks)

C 3538

(Pages : 2)

Name.....

Reg. No.....

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2021**

Geography

GRY 4C 01.4—INTRODUCTION TO DISASTER MANAGEMENT

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. Disaster preparedness.
2. Hazard.
3. Resilience.
4. Natural disaster management institutions in India.
5. EIA.
6. Mitigation.
7. Disaster warning system.
8. Tsunami effects.
9. Disaster risk.
10. Community awareness.

(8 × 3 = 24 marks)

Section B

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

11. What are the anthropogenic disaster ?
12. Write a short note on effects of tropical cyclone.

Turn over

13. Give a note on natural disaster frame work in India.
14. Briefly discussed about the scope of geography in disaster management.
15. How we can predict disaster through GIS ?
16. Discuss the role of remote sensing in disaster management.
17. Give a note on the role of voluntary organisation in disaster.
18. What are the vulnerability and risk of volcanoes ?

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

19. Explain the consequences, challenges and impacts of landslide.
20. Describe drought with examples from the drought prone regions of India.

(1 × 11 = 11 marks)

C 62650

(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, MAY 2019

B.Sc. Geography

GRY 2C 02—SOIL GEOGRAPHY

(2017 Admissions)

Time : Three Hours

Maximum : 64 Marks

I. Answer *all* the following given in Part A and Part B :

(A) Choose the correct answer from the following :

1 Pedology is studying about :

- (a) Soils. (b) Water.
(c) Air. (d) Land.

2 Humus content is high in :

- (a) Rock particles. (b) Bottom soil.
(c) Top soil. (d) Beach soil.

3 Soil pH is a measure of the _____ in soils.

- (a) Moisture and humidity. (b) Acidity and alkalinity.
(c) Depth and fertility. (d) Colour and texture.

4 Soil erosion will reduced by :

- (a) Aforestation. (b) Building constructions.
(c) Deforestation. (d) Cultivation.

5 HYV stands for :

- (a) Heavy vitamins. (b) Chemical properties of soil.
(c) Type of soil. (d) High yielding varieties.

(B) Match the following :

- 6 Upper layer of the soil - (a) Reduce soil erosion.
7 Sandy soil - (b) Less humus.
8 Middle layer of the soil - (c) Dark in colour.
9 Aforestation - (d) Small particles.
10 Clayey soil - (e) Large particles.

(10 × 1 = 10 marks)

Turn over

II. Answer *all* questions in not more than 50 words each :

- 11 Explain the scope of soil geography.
- 12 Define - Pedology.
- 13 What are the physical factors influencing the soil formation.
- 14 List out the major soil groups of India.
- 15 What are the causes of soil erosion.
- 16 Mention few soil conservation measures.
- 17 Afforestation - a key to soil management - how ?

(7 × 2 = 14 marks)

III. Answer any *six* of the following in not more than 150 words each :

- 18 Write a note on soil science.
- 19 Give a brief on process of soil formation.
- 20 Explain the major soil classifications of the World.
- 21 Discuss the role of mass wasting on soil erosion.
- 22 What are all the need of soil management.
- 23 Discuss the nature and content of soil geography.
- 24 Explain the various components of soil.
- 25 Write a note on the major soils of Kerala.
- 26 Explain the importance of soil on agriculture.
- 27 Describe the concept of soil conservation.

(6 × 4 = 24 marks)

IV. Write essays on any *two* of the following in about 300 words each :

- 28 Discuss the relationship between soil science and geography.
- 29 Write an essay on the physical and chemical properties of soil.
- 30 Explain the major soil groups of India.
- 31 Give an account on the methods of soil conservation.

(2 × 8 = 16 marks)

C 82432

(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020

(CBCSS—UG)

Geography

GRY 2B 02—PROCESS GEOMORPHOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions in not more than 50 words each.

Each question carries 2 marks.

1. Exfoliation.
- ~~2~~ Uvalas.
3. Rejuvenation.
4. Fjord coast.
5. Attrition.
6. Stalagmite.
7. Trellis pattern.
- ~~8~~ Avalanche.
9. Chemical weathering.
- ~~10~~ Tidal currents.

(10 × 2 = 20 marks)

Section B

Answer any six questions from the following not more than 150 words each.

Each question carries 5 marks.

- ~~11~~ What is fault ? Distinguish between rift valley and fault valley.
- ~~12~~ Give a short note on mechanism of wave and motion.

Turn over

13. What do you understand about third order of land forms.
14. Briefly discussed about the landforms associated with wind action.
15. What are the different types of erosion, explain ?
16. What is the role of geology in the structural formation of landforms ?
17. Write a short account on the endogenic forces.
18. Give a note on types of glaciers.

(6 × 5 = 30 marks)

Section C

Answer any one question from the following in not more than 300 words each.

Each question carries 10 marks.

19. 'Running water act as a major agent of erosion and deposition'. Explain.
20. Give a detailed account on normal cycle of erosion.

(1 × 10 = 10 marks)

D 93924

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

Geography

GRY 1B 01—FUNDAMENTALS OF GEOMORPHOLOGY

(2014—2018 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer at least eight questions.

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

- | | |
|-------------------|----------------|
| 1. Rifting. | 2. Seismology. |
| 3. Plutonic rock. | 4. Subduction. |
| 5. Faulting. | 6. Geyser. |
| 7. Fold mountain. | 8. Mantle. |
| 9. Binary star. | 10. Anticline. |

(8 × 3 = 24 marks)

Section B

Answer at least five questions.

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

11. What are the factors controlling landform development ?
12. Give a short note on Isostasy.
13. Explain about orogeny and continental acceleration.
14. Briefly discuss about evidence of plate movements.
15. Explain sea floor spreading.

Turn over

16. Write a short account on geosyncline theory.
17. Give a note on endogenetic forces.
18. Briefly explain about the trends in physical geography.

(5 × 5 = 25 marks)

Section C

*Answer any one question.
The question carries 11 marks.*

19. Describe continental drift theory.
20. Write a detailed account on volcanism.

(1 × 11 = 11 marks)

D 51272

(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Core Course

GRY 3B 03—CLIMATOLOGY

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

I. Answer all *ten* following given in part (A) and (B). Each question carries 1 mark :

(A) Choose the correct answer from the following :

1 97 % of the atmosphere lies in :

- | | |
|------------|------------|
| (a) 50 km. | (b) 29 km. |
| (c) 5 km. | (d) 15 km. |

2 Roaring forties blow between :

- | | |
|--------------------|--------------------|
| (a) 40° N – 50° N. | (b) 40°S – 50° S. |
| (c) 45° S – 55° N. | (d) 45° S – 55° S. |

3 Humidify refers to :

- | | |
|---------------|---------------------------|
| (a) Rainfall. | (b) Atmospheric moisture. |
| (c) Fog. | (d) Cloud. |

4 Zones separating different air masses are called :

- | | |
|---------------|--------------------|
| (a) Cyclones. | (b) Anti cyclones. |
| (c) Fronts. | (d) Cols. |

5 The pattern of isobars in tropical cyclone is :

- | | |
|---------------------|------------------|
| (a) Semi- circular. | (b) Elliptical. |
| (c) Circular. | (d) Rectangular. |

(B) Fill in the blanks suitably :

- 6 Doldrum is a zone of _____.
- 7 Normal lapse rate is _____.
- 8 Mountain breeze is also called _____.

Turn over

9 The combined effects of evaporation and transpiration from vegetation -covered land areas are Called _____.

10 Expand IPCC _____.

(10 × 1 = 10 marks)

II. Answer *all* question in not more than 50 words each. Each question carries 2 marks :

- 11 What do you mean by regional climatology ?
- 12 Describe the significance of atmosphere.
- 13 Write a short on inversion of temperature.
- 14 Write about the Cumulo-nimbus.
- 15 Give a note on mechanical modification of air masses.
- 16 Write a short note on global warming.
- 17 Describe the biological indicators of climate change.

(7 × 2 = 14 marks)

III. Answer any *nine* of the following in not more than 150 words each. Each question carries 4 marks :

- 18 Discuss the major gases in the composition of the atmosphere.
- 19 What are the factors are determine the control of temperature ?
- 20 Give a detail account on heat balance of earth and atmosphere.
- 21 Describe the process involved of condensation.
- 22 Illustrated the air masses of Asia.
- 23 Explain about the types of fog.
- 24 Examine the ecological significance of ozone depletion.
- 25 Analysis the horizontal distribution of temperature.
- 26 Discuss the significance of atmospheric pressure and its measurement.
- 27 Explain the various methods of humidity measurement.
- 28 Give a detail account on forms of precipitation.
- 29 Explain the significance and characteristics of the air masses.

(9 × 4 = 36 marks)

IV. Write essays on any *two* of the following in about 300 words each. Each question carries 10 marks :

- 30 Describe the mechanism of the monsoon.
- 31 Explain major source region and classification of air masses.
- 32 Give an account on general frontal characteristic and classification.
- 33 Discuss the origin and development of temperate cyclone.

(2 × 10 = 20 marks)

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(Pages : 3)

Name.....

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(CUCBCSS—UG)

Complementary course

GRY 1C 01—DEVELOPMENT OF GEOGRAPHY

(2014—2016 Admissions)

Time : Three Hours

Maximum : 64 Marks

I. Answer all *ten* of the following given in Part A and B :

A Choose the correct answer from the following :

1 The book "Ges-periodos" was authored by :

- (a) Anaximander. (b) Hectaeus.
(c) Heredotus. (b) Strabo.

2 The credit of exact determination of the position of places by means of latitudes and longitudes goes to :

- (a) Ptolemy. (b) Erathosthenes.
(c) Aryabhata. (d) Ibn Battuta.

3 Which is not true to regional geography :

- (a) It is a real study of phenomena.
(b) It is single variate study.
(c) It relies on synthesis of phenomena.
(d) It doesn't lead to model building.

4 Among the following which is the journal of Radical Geographers ?

- (a) Economic Geography. (b) The Geographer.
(c) Annals of Geography. (d) Antipode.

5 Diffusion model in geography was prepared by :

- (a) Weber. (b) Luckerman.
(c) Christaller. (d) Zipf.

Turn over

B Mark the following statements as true or false :

- 6 The book 'Geography Genarallis' was written by Varenius.
- 7 The quantitative techniques employed in Geography led to "spatial analysis".
- 8 Kunh opined that scientific knowledge progresses and develops in a fast pace without any up and downs.
- 9 Vidal de la Blache was an advocate of possibilistic thought.
- 10 The ancient Chinese invented the first planetarium.

(10 × 1 = 10 marks)

II. Write about the following in not more than 50 words each :

- 11 Human Geography.
- 12 Dwipas.
- 13 Neo-determinism.
- 14 Spatial traditon.
- 15 Welfare approach in geography.
- 16 Dark age.
- 17 Ekumene.

(7 × 2 = 14 marks)

III. Answer any *three* of the following in not more than 150 words :

- 18 Write a short note on the contributions of Erathosthenes to geography.
- 19 Briefly explain the salient features of Positivism.
- 20 Mention the nature of geography.
- 21 What is systematic approach in geography.
- 22 Examine the situation for the development of quantitative revolution in geography.

(3 × 4 = 12 marks)

IV. Answer any *three* of the following in about 150 words each :

- 23 'Geography is a correlative science'. Explain
- 24 Outline the criticisms against determinism.

- 25 Write a note on Regional approach in geography.
- 26 Mention the major contributions of Romans to geography.
- 27 Briefly discuss the Earth Science tradition in geography.

(3 × 4 = 12 marks)

V. Write essays on any *two* of the following in about 300 words each :

- 28 What is a system ? Discuss the significance of systems approach in geography.
- 29 Give a brief account on the contributions of Arabs on development of geography.
- 30 Discuss the different types of models in geography.
- 31 Write an account of quantitative revolution in geography.

(2 × 8 = 16 marks)

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(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Complementary Course

GRY 3C 03—GEOGRAPHY OF WATER RESOURCES

(2017 Admissions)

Time : Three Hours

Maximum : 64 Marks

I. Answer all *ten* of following given in part (A) and (B) :

(A) Write the answer True or False for the following :

- 1 When condensed water vapour in the atmosphere, turn liquid and fall in to the ground by gravitation is known as rainfall.
- 2 Pond is a natural flowing water course .
- 3 The ground water permeability in clay soil is low.
- 4 Panam Keni is the oldest water management system in Kerala.
- 5 National water policy is formulated in India under the ministry of environment.

(B) Fill in the blanks with correct answer :

- 6 The study of nature, spatial distribution, utilization and conservation of water on the earth is _____.
- 7 SLNA is the integrated watershed management programme done at _____ level.
- 8 _____ is a zone within the earth that restricts the flow of ground water from one aquifer to another aquifer.
- 9 The Appiko movement was started in _____ state of India.
- 10 According to the national water grid system, Ganga river link with _____ river.

(10 × 1 = 10 marks)

II. Answer all *seven* of the following in not more than 50 words :

- 11 Hydrological cycle.
- 12 Wetland.
- 13 Ground water.

Turn over

- 14 Silviculture.
- 15 World Youth Parliament for water.
- 16 Hydrology.
- 17 Catchment area.

(7 × 2 = 14 marks)

III. Answer any *six* of the following in not more than 150 words:

- 18 Write the scope of water resource geography.
- 19 Give a short note on The Drought Prone Area Development Programme.
- 20 Discuss the causes of ground water pollution.
- 21 Explain the contribution of forest to the reduction of water related risks.
- 22 Briefly explain the salient features of national water policy.
- 23 Illustrate any *one* method for determining infiltration.
- 24 Briefly explain the ways to management of watershed.
- 25 Give a short note on aquifer.
- 26 Explain the roof top rain water harvesting technique with diagram.
- 27 What are the basic data required for hydrological studies ? Explain.

(6 × 4 = 24 marks)

IV. Write essays on any *two* of the following in about 300 words :

- 28 Explain the components and processes of hydrological cycle.
- 29 Discuss the advantages and challenges of interlinking of rivers in India.
- 30 Describe the over extraction of groundwater and related environmental issues.
- 31 Give a detailed account on inter-state water disputes in India.

(2 × 8 = 16 marks)