U.G. DEGREE EXAMINATION – JULY, 2022.

Geography

(From CY – 2020 Onwards)

First Semester

GEOMORPHOLOGY

Time : 3 hours   Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions in 100 words.

1. Metamorphic Rocks

   உருமாறிய பாறைகள்

2. Sea floor spreading

   கடல் தலம் விரிதல்

3. Mass Wasting

   பருப்பொருட்களின் அசைவு

4. Positive aspects of Penk's model

   பெங்க் மாதிரியில் உள்ள நேர்மறையான அம்சங்கள்

5. Wind Erosional Landforms

   காற்றரித்தலினால் உருவாகும் நிலத் தோற்றங்கள்

PART B — (3 × 7 = 21 marks)

Answer any THREE questions in 200 words.

6. Briefly explain the types of folds.

   மடிப்புறுதலின் வகைகளை சுருக்கி விவரி.

7. Write a short note on plate tectonics.

   தட்டுவிசைகள் குறித்து சிறு குறிப்பு எழுதுக.

8. Explain the causes of earthquakes.

   புவியதிர்வுகளை தோற்றுவிக்கும் காரணிகளை விவரி.

9. Discuss the five stages of cycle of erosion given by Penck.

   பெங்கின் அரித்தல் சுழற்சியிலுள்ள ஐந்து நிலைகளை விவாதி.

10. What are the erosional landforms developed by river? Explain.

    ஆற்றின் அரிப்பினால் உருவாகும் நிலத்தோற்றங்கள் யாவை? விவரி.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions in 500 words.

11. Discuss the nature and scope of geomorphology.

    புவிப்புறவியலின் இயல்பு மற்றும் நோக்கத்தை விவாதி.

12. Explain Wegner's continental drift theory.

வெகனர் கண்ட நகர்வுக் கொள்கையை விவரி.

13. Analyse the types of weathering in a detailed manner.

பாறைச் சிதைவின் வகைகளை விரிவான முறையில் ஆராய்க.

14. Describe Davisian model of cycle of erosion.

டேவிசியனின் அரிவு சுழற்சி முறையை விவரி.

15. Write a detailed account on Karst topography.

சுண்ணாம்புப் பாறைப் பிரதேச நிலத்தோற்றங்கள் குறித்து விரிவான குறிப்பு எழுதுக.

16. Explain the applications of geomorphology in mineral exploration and coastal zone management.

கனிம ஆய்வு மற்றும் கடற்கரை மண்டல மேலாண்மையில் புவிப்புறவியலின் பயன்பாடுகளை விவரி.

17. Give a note on interior structure of the earth with diagram.

புவி உள்ளமைப்பு பற்றி படத்துடன் குறிப்பு தருக.

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U.G. DEGREE EXAMINATION - JULY 2022

Geography

(From CY – 2020 onwards)

First Semester

GENERAL CARTOGRAPHY

Time : 3 hours   Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions in 100 words.

1.   Shape of the Earth.

2.   Representative Fraction.

3.   Map projection.

4.   Thematic maps.

5.   Labelling.

PART B — (3 × 7 = 21 marks)

Answer any THREE questions in 200 words.

6.   What are the branches of Cartography? Explain.

7.   Write a short note on different types of scale.

8. List out the properties of zenithal gnomonic projection (polar case)

9. Discuss the mechanics of lettering.

10. Analyze the constraints in map design.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions in 500 words.

11. Explain the nature and scope of cartography.

12. Describe the different types of directions.

13. What are criteria for choice of projection? Explain.

14. Write a short note on symbolization.

15. Explain map design and layout.

16. Discuss the printing processes in a detailed manner.

17. Explain the duplicating processes in map reproduction.

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U.G. DEGREE EXAMINATION - JULY, 2022

Geography

(From CY – 2020 onwards)

First Semester

GENERAL GEOLOGY

Time : 3 hours   Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions each in 100 words.

1. Seismograms

2. Dip fault

3. Stratigraphy

4. Crystal

5. Sedimentary rocks.

PART B — (3 × 7 = 21 marks)

Answer any THREE questions each in 200 words.

6. Write a short note on solar system.

7. Explain symmetrical and asymmetrical folds.

8. List out the morphological characteristics of gasteropods.

9. Give an account on physical properties of albite.

10. Briefly explain about igneous rocks.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions each in 500 words.

11. Explain about Wegner's continental drift theory.

12. Discuss the different types of joints.

13. Explain the geological time scale.

14. Give a note on quartz and its varieties.

15. What are the metamorphic rocks? Explain.

16. Explain the nebular hypothesis of the origin of solar system.

17. Describe the methods of determining the age of the earth.

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U.G. PRACTICAL EXAMINATION —JULY 2022.

Geography

First Year

Mapping Techniques-1

Time: 3 Hours   Maximum Marks: 70

Answer ALL questions.

1. Advantages and disadvantages for the following Representation of Scale:

(10 Marks)

    i) Verbal/Statement Scale
    ii) Numerical Scale / R.F.
    iii) Linear/Graphical Scale

2. Construct a linear or graphical scale for a map drawn to a scale of 1:1,00,000 to read into km. and divide it into primary and secondary division.   (10 Marks)

3. Draw a multiple bar diagram representing the below givendata in table.

(10 Marks)

Total Population in India, 1971-2011.

Census Year	Total Population (in Crores)	Rural Population (in Crores)	Urban Population (in Crores)
1971	54.8	43.9	10.9
1981	68.3	52.4	15.9
1991	84.7	62.9	21.8
2001	102.9	74.3	28.6
2011	121.0	83.3	37.7

4. Draw a Climograph of Delhi representing the below givendata in table.
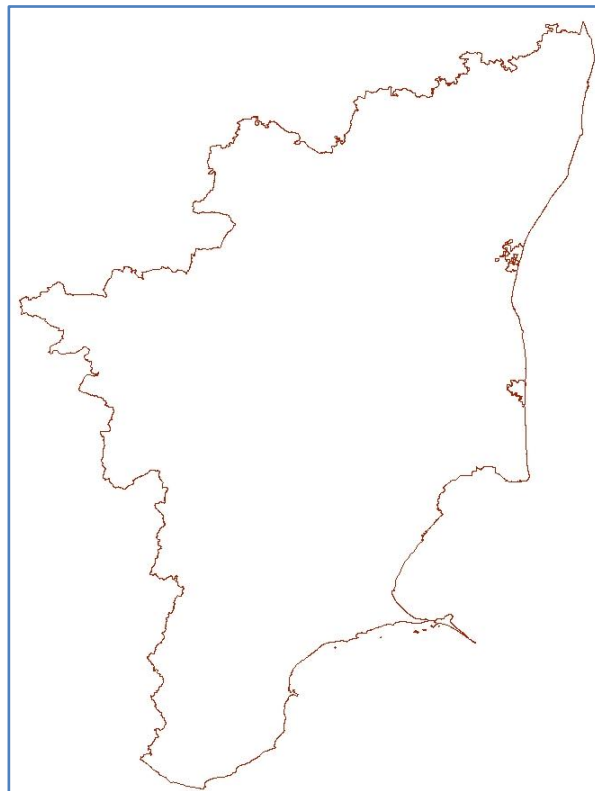
(10 Marks)

Months	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Wet -Bulb Temp (in degree Fahrenheit	64.8	68.5	70.5	78.1	82.9	82.3	80.8	80.7	80.0	78.0	68.9	68.4
Relative Humidity (in percent)	40	44	38	38	57	69	81	79	75	72	48	48

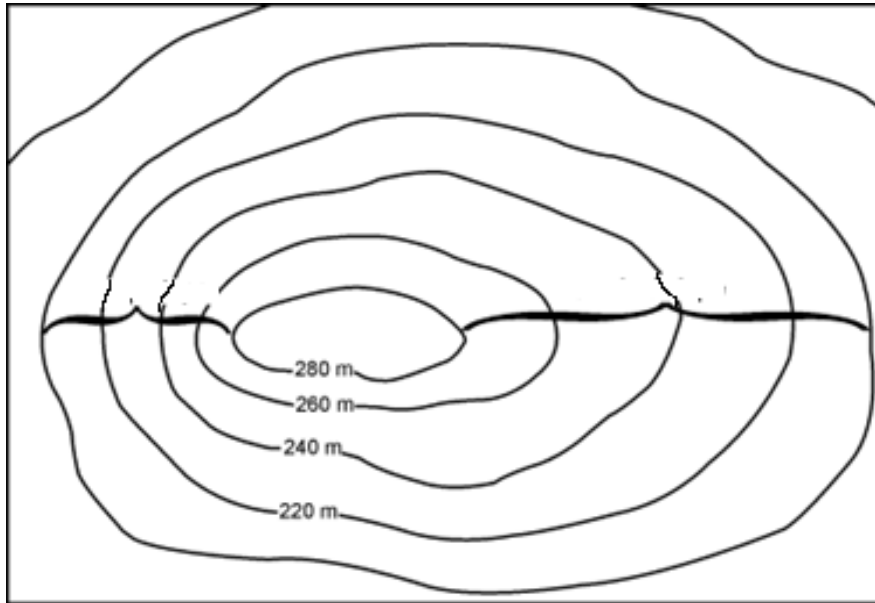5. Discusstheclassificationofmaps.Justifyyourclassification.   (10 Marks)

6. A map of Tamilnadu is drawn on a scale of 1:10,00,000 and the size of a square is 1 cm. Reduce it on the scale of 1:20,00,000.   (10 Marks)

7. Draw the cross section for the given contour and explain its nature of the slope. (10 Marks)

Note:

The following requirements need to be provided to the students.

1. Two graph sheets

U.G. DEGREE EXAMINATION - JULY 2022

Geography

[From CY - 2020 onwards]

Second Semester

CLIMATOLOGY AND OCEANOGRAPHY

Time : 3 hours   Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions each
in 100 words.

1. Weather

2. Atmospheric pressure

3. Clouds

4. Jet streams

5. Tides

PART B — (3 × 7 = 21 marks)

Answer any THREE questions each in 200 words.

6. Explain the horizontal distribution of temperature.

7. Write a short note on cyclones.

8. Describe the frontogenesis.

9. Briefly explain the Thornth wait's classification of climate.

10. Explain the controlling factors on ocean salinity.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions each in 500 words.

11. Discuss the heat budget or the earth.

12. Explain the types of monsoon.

13. Describe the classification of air masses.

14. Explain the Koeppen's climatic classification.

15. What are the currents in Atlantic Ocean? Explain.

16. Explain the surface configuration of the Ocean floor.

17. Analyze the different forms of precipitation.

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U.G. DEGREE EXAMINATION — JULY 2022.

Geography

(From CY – 2020 onwards)

Second Semester

STATISTICS

Time : 3 hours   Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions in 100 words.

1. Data.

2. Tabulation.

3. Sampling.

4. Bell Curve.

5. Regression.

PART B — (3 × 7 = 21 marks)

Answer any THREE questions in 200 words.

6. Explain the scales of Measurement.

7. Give a short note on quartiles.

8. Briefly explain the uses of sampling.

9. What are the applications of probability? Explain.

10. Write a note on product moment correlation.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions in 500 words.

11. Describe the significance of Statistical methods in geography.

12. Find out the median from the following data.

No. of workers	No. of establishment
0-49	46
50-99	59
100-149	45
150-199	37
200-249	31

250-299	20
300-349	13
350-399	9

13. Explain the types of Sampling.

14. What are the types of probability? Explain.

15. Discuss the rank correlation with an example.

16. Give a detailed account on normal distribution.

17. Explain about standard deviation with an example.

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