

**SH-II/SET-I/SHGEO-202/C-4T&P/18****B.Sc. 2nd Semester (Honours) Examination, 2018****Subject : Geography****(Cartograms and Thematic Mapping)****(Theory & Practical)****Paper : SHGEO-202C****Time: 4 Hours****Full Marks: 40***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.***Set-I  
Section-A**

1. Answer *any three* of the following: 2×3=6
- What are three-dimensional diagrams? Give examples.
  - Is choropleth map a thematic map? give reason.
  - What is Lorenz curve and what is its significance?
  - What is Ombrothermic diagram? Mention its principles of construction.
  - State the identification numbers of four survey of India open series maps falling to the West, North, East and South of map No. F45D7.
  - State the R.F. of survey of India open series maps bearing identification numbers
    - F45
    - F45D
    - F45D08
    - F45D08U
2. (a) What are quantitative dot maps? Explain their principles of construction, use and interpretation. 1+3=4
- Or,*
- (b) What are pie diagrams? Explain their principles of construction and use. 1+3=4
3. (a) Identify the different orders of stream (after Strahler) from map No. 3(a) of the river basin supplied to you. Also calculate the mean bifurcation ratio of the basin. 4+1=5
- Or,*
- (b) Find out the crop combination scheme according to weaver and name the region as per data given below: 5
- | Crop       | — | % cropped area |
|------------|---|----------------|
| Wheat      | — | 45             |
| Rice       | — | 27             |
| Pulses     | — | 17             |
| Jowar      | — | 8              |
| Vegetables | — | 3              |
4. Lab. Notebook and Viva voce 5+5=10

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**Section-B**

1. Draw Wind Rose diagram with the help of the following data and compare the wind conditions of January and July. 4+1=5

Table-I : Percentage no. of days of wind from different directions at Ranchi

Direction	January	July
N	15	2
NE	20	4
E	22	12
SE	4	10
S	1	15
SW	1	25
W	1	22
NW	6	5
Calm	30	5

2. On the basis of the following data prepare a map showing very high, high, medium, low and very low density zones of population in South Bengal (map-2) by choropleth method: 5

	District	Area in sq. km.	Population (2011)
1.	Birbhum	4545	35,02,387
2.	Murshidabad	5324	71,02,430
3.	Burdwan	7024	77,23,663
4.	Nadia	3927	51,68,488
5.	N. 24-Parganas	4094	100,82,852
6.	S. 24-Parganas	9960	81,53,176
7.	Howrah	1467	48,41,638
8.	Hooghly	3149	55,20,389
9.	Bankura	6882	35,96,292
10.	Purulia	6259	29,27,965
11.	Purba Medinipur	4736	50,94,238
12.	Paschim Medinipur	9345	59,43,300
13.	Kolkata	185	44,86,679

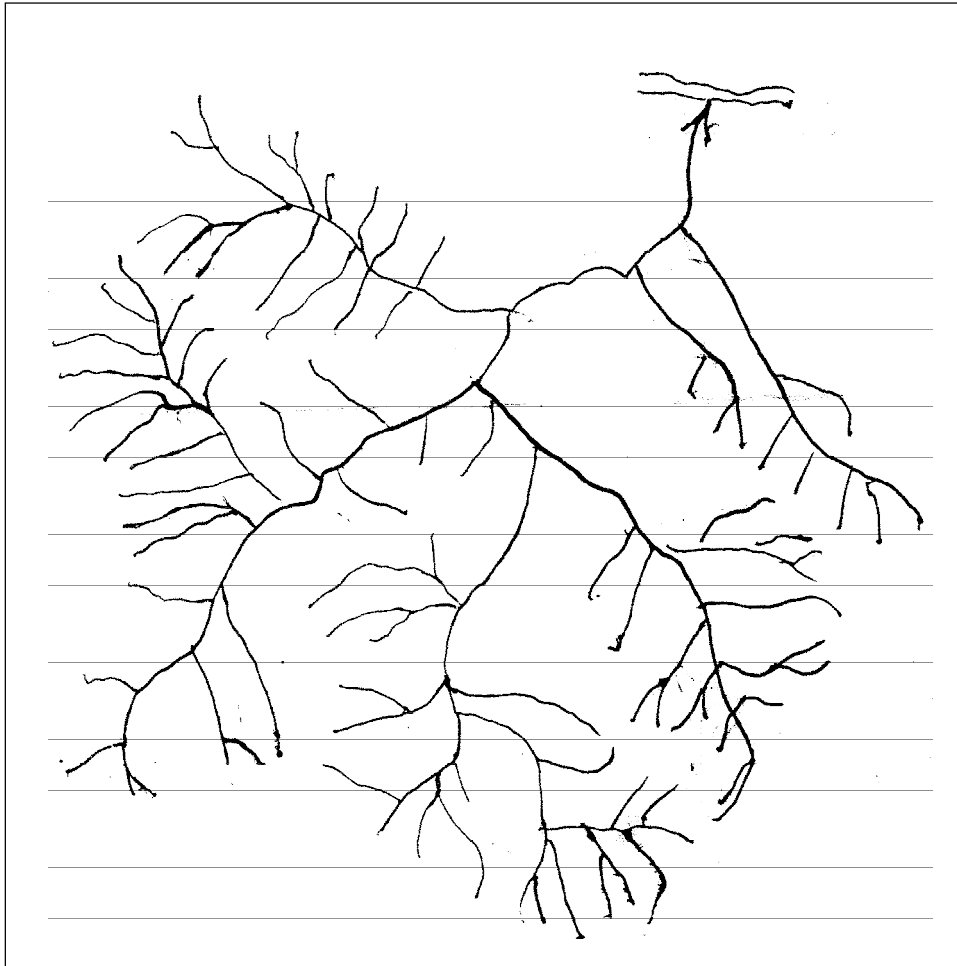
3. From the given Topographical sheet of a plateau region (OSM sheet on 1 : 50,000 scale) prepare a slope map (Wentworth's method) of an area (5 km × 5 km) indicated to you. 5

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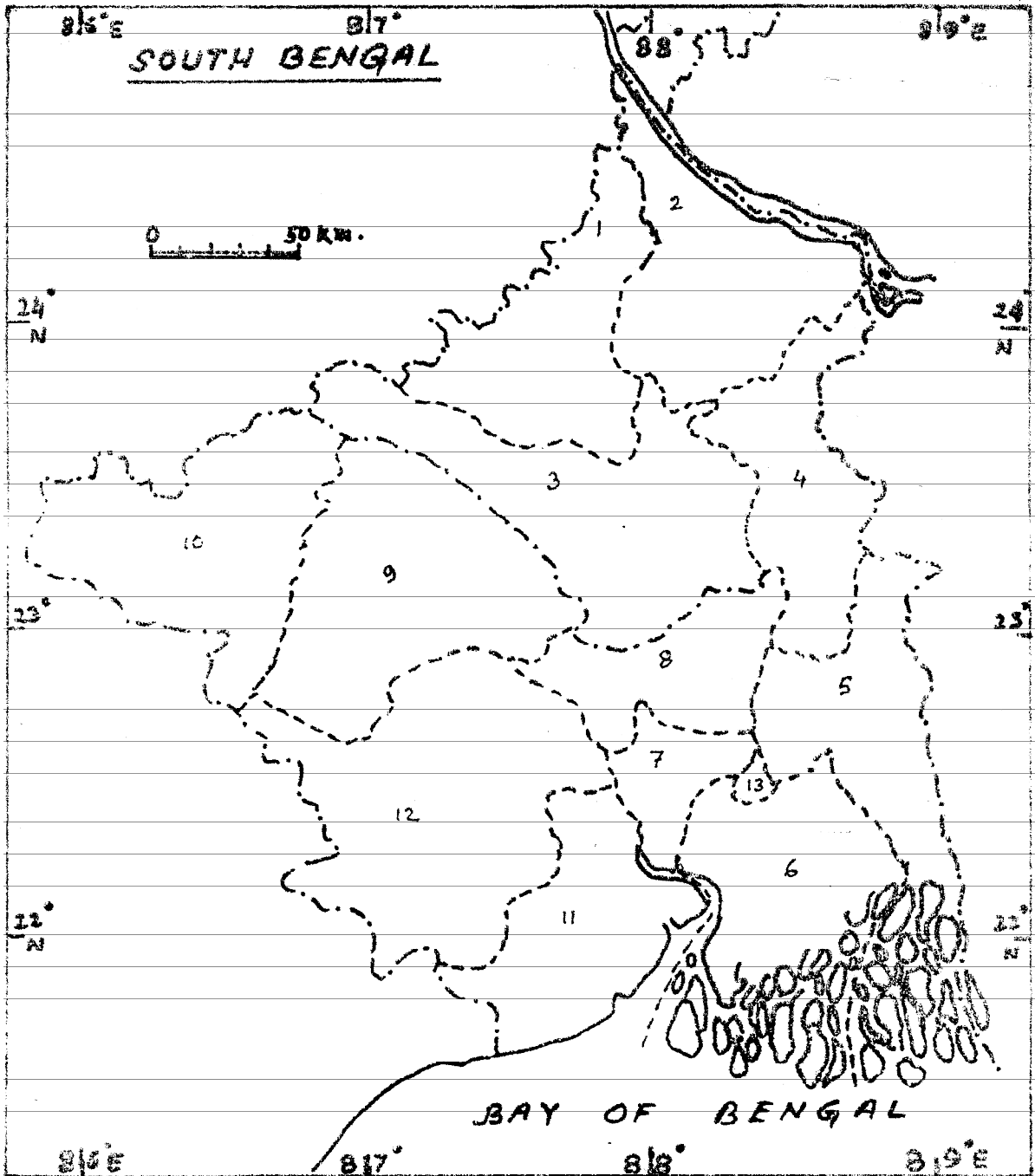
Q.No. 3(a) : Section : A



Scale 1 : 50,000

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Map 2 : Section : B



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**B.Sc. 2nd Semester (Honours) Examination, 2018**

**Subject : Geography**

**(Cartograms and Thematic Mapping)**

**(Theory & Practical)**

**Paper : SHGEO-202/C-4P**

**Instructions to the Examiners**

**Set-I**

1. Examiners of the concerned centers are requested to give same topsheet to all the examinees in a center. They are also requested to select area for Q. 2 (Section-B).
  2. Examinees are to be interviewed for not more than 10 minutes.
  3. While evaluating Q. 2 (Section-B) give emphasis on density calculation, heading, proper shading/colouring with index.
  4. S.O.I. Topographical maps (of a plateau region) on a scale of 1 : 50000 as per the syllabus are to be given to the candidates by examiners.
  5. Distribution of marks : as mentioned in the question paper.
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**SH-II/SET-II/SHGEO-202/C-4T&P/18**

**B.Sc. 2nd Semester (Honours) Examination, 2018**

**Subject : Geography**

**(Cartograms and Thematic Mapping)**

**(Theory & Practical)**

**Paper : SHGEO-202C**

**Time: 4 Hours**

**Full Marks: 40**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**Set-II**

**Section-A**

1. Answer *any three* of the following: 2×3=6
- (a) What are sphere diagrams? Which type of data is best represented by it?
  - (b) Explain the importance of Ergograph.
  - (c) Mention the disadvantages of choropleth map showing population density distribution.
  - (d) What are 15' sheets in open series maps? Give their extension and scale.
  - (e) What is wind rose diagram? How do we draw it?
  - (f) Why do we use a transect chart?
2. (a) What is thematic map? Classify thematic maps based on the nature of mapable data. 2+2=4
- Or,*
- (b) How and why does the age-sex pyramid of a developed country differ from that of a developing country? 4
3. (a) The coordinates 24°N and 84°E define the north-western corner of survey of India map No. F45A. State the coordinates that define the south-eastern corners of the following maps: 5
- (i) F45D (ii) F45D7 (iii) F45D2 (iv) F45D3 (v) F45D8

*Or,*

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- (b) Find out the crop combination according to Weaver and name the region as per data given below:

5

Crop	—	% cropped area
Rice	—	64.44
Potato	—	29.27
Jute	—	5.54
Wheat	—	0.54
Pulses	—	9.21

4. Lab. Notebook and Viva voce.

5+5=10

### Section-B

1. (a) Prepare an Ombrothermic diagram based on the following data:

5

Station : Howrah

Months	J	F	M	A	M	J	Ju	A	S	O	N	D
Rainfall (mm)	32	0	6	48	74	187	304	327	275	61	61	0
Temperature (°C)	18	12	24.5	26	30.5	29	31	27.5	29.5	25.5	23	19

- (b) Compute and draw a Lorenz curve to show concentrate of S.T. populatin in selected C.D. blocks of Nadia District.

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Sl No.	C.D. Block	Total Population (2001)	S.T. Population (2001)
1.	Chopra	272289	767
2.	Krishnanagor-I	280386	14199
3.	Krishnanagor-II	124159	1658
4.	Nabadwip	121807	1466
5.	Krishnaganj	133359	8179
6.	Hanskhali	260969	6922
7.	Santipur	217318	8069
8.	Ranaghat-I	207394	3165
9.	Ranaghat-II	330243	12514
10.	Chakdah	362983	18117

- (c) Divide 6km × 6km area marked on the given toposheet (OSM sheet on 1:50000 scale) into 16 equal grids and prepare a drainage density map of the area.

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**B.Sc. Semester-II (Honours) Examination, 2018**

**Subject : Geography**

**(Cartograms and Thematic Mapping)**

**(Theory & Practical)**

**Paper : SHGEO-202C**

**Instructions to the Examiners**

**Set-II**

1. Examiners of the concerned centers are requested to give same top sheet to all the examinees in a center they are also requested to select area for Q. (c) (Section-B).
  2. Examinees are to be interviewed for not more than 10 minutes.
  3. While evaluating Q. (a) (Section-B) give emphasis on neatness of drawing, proper heading scale taken and shading / Colouring with index.
  4. While evaluating Q. (b) (Section-B) Give emphasis on necessary calculations neat drawing, proper heading and scale mentioned.
  5. S.O.I. Topographical maps (of a plateau area) on a scale of 1:50000 as per the syllabus to be given to the candidates by examiners.
  6. Distribution of marks as mentioned in the question paper.
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SH-II/SET-III/SHGEO/202/C-4T&amp;P/PR/18

**B.Sc. 2nd Semester (Honours) Examination, 2018****Subject : Geography****(Cartograms and Thematic Mapping)****(Theory & Practical)****Paper : SHGEO-202C****Time: 4 Hours****Full Marks: 40***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.***Set-III  
Section-A**

1. Answer *any three* of the following: 2×3=6
- Why do we use spheres to show urban population distribution, whereas the rural population are conveniently shown by distribution of dots?
  - What is total dependency ratio?
  - Distinguish between a choropleth map and an isopleth map.
  - If the radius of a sphere is 2 cms. What will be the surface area and volume of the sphere?
  - What is crop combination region? Mention the hypothetical percentage of cropped area of prof. J.C. Weaver.
  - Raniganj (23°36'21"N, 87°7'11"E) is shown on toposheet No. F45D2. Find out the toposheet No. of the same scale for Sonamukhi. (23°18'24"N, 87°24'46"E).
2. (a) Define cartogram and classify cartograms according to dimension. 1+3=4
- Or,*
- (b) Explain the characteristics and significance of age-sex pyramid. 2+2=4
3. (a) Find out the crop combination according to Weaver and name the region as per data given below: 5
- | Crop   | — | % cropped area |
|--------|---|----------------|
| Rice   | — | 72             |
| Potato | — | 20             |
| Jute   | — | 4              |
| Wheat  | — | 2              |
| Pulses | — | 2              |
- Or,*
- (b) The co-ordinates 20°N and 84°E define the South-Western corner of survey of India map No. F45S. State the coordinates that define the North-Eastern corner of the following maps:
- (i) F45D (ii) F45D7 (iii) F45D2 (iv) F45D3 (v) F45D8. 5
4. Lab. Notebook and *viva voce* 5+5=10

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**Section-B**

1. (a) Prepare an Ergograph for a station X with the help of  $x_1$  following data (Table I and II): 5

Table-I

Climatic features

Months	J	F	M	A	M	J	Ju	A	S	O	N	D
Mean Temp. in°C	15.6	19.2	24.6	30.7	36.5	32.8	30.9	29.4	25.8	26.6	22.8	17.6
Relative humidity (%)	42	44	48	50	59	69	83	81	73	71	52	44
Rainfall (mm)	18.4	15.0	8.8	10.8	19.2	180.8	210.6	270.5	148.6	86.4	10.2	8.4

Table-II : Net sown area of various crops and their growing seasons:

<u>Crops</u>	<u>Growing season</u>	<u>Net sown area (lakh hectares)</u>
Rice	— June to November	— 54
Wheat	— November to April	— 42
Jute	— February to May	— 24
Potato	— October to January	— 15
Pulses	— August to December	— 12
Sugarcane	— January to December	— 7

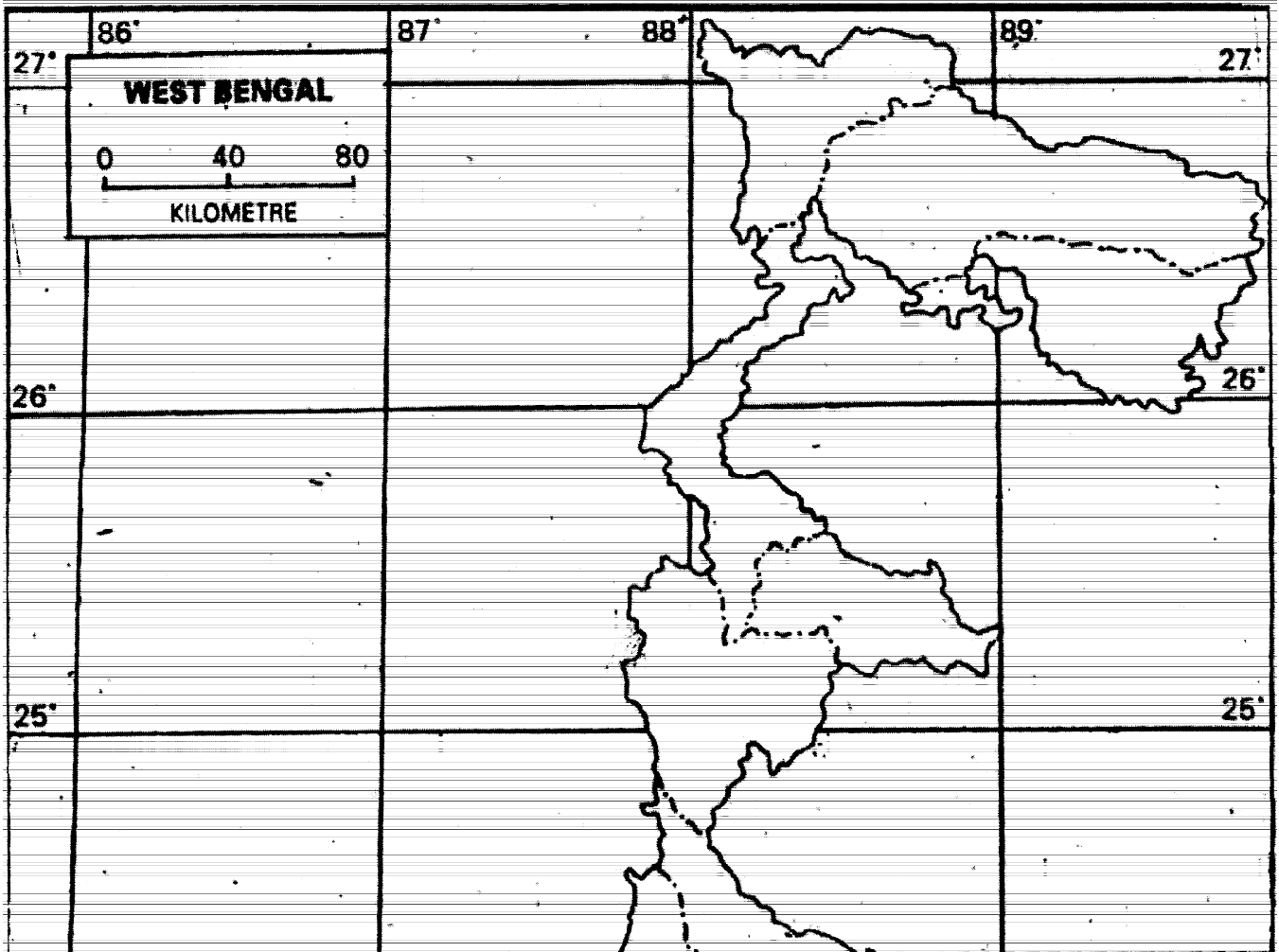
- (b) Show the distribution of rural and urban population by Dot and Sphere diagram on the given map of North Bengal Districts (Map. 1). The data are given below: 5

<u>District</u>	<u>Rural population (2001)</u>	<u>Urban population (2001)</u>
1. Darjeeling	— 10,88,295	— 5,20,877
2. Jalpaiguri	— 27,97,336	— 6,03,847
3. Koch Bihar	— 22,53,649	— 2,25,506
4. Uttar Dinajpur	— 21,47,323	— 2,94,471
5. Dakshin Dinajpur	— 13,06,535	— 1,96,643
6. Maldah	— 30,49,553	— 2,40,915

- (c) Prepare a relative relief map of an area (5 km × 5 km) marked in the topomap (O.S.M. sheet on 1 : 50000 scale). 5

Section-B

1. (b)



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**B.Sc. 2nd Semester (Honours) Examination, 2018**

**Subject : Geography**

**(Cartograms and Thematic Mapping)**

**(Theory & Practical)**

**Paper : SHGEO-202C**

**Instructions to the Examiners**

**Set-III**

1. Examiners of the concerned centers are requested to give same toposheets to all the examinees in a center. They are also requested to select area for Q. No. (c) (Section-B).
2. Examinees are to be interviewed for not more than 10 minutes.
3. While evaluating Q. No. (a) (Section-B) give emphasis on neatness of drawing, proper heading scale mentioned and correct shading / colouring with index.
4. While evaluating Q. No. (b) (Section-B) give emphasis on proper scale taken, radius calculation for sphere diagram, proper heading and scale mentioned.
5. S.O.I. Topographical maps of a plateau region as per the syllabus are to be given to the candidates by examiners.
6. Distribution of marks: As mentioned in the question paper.

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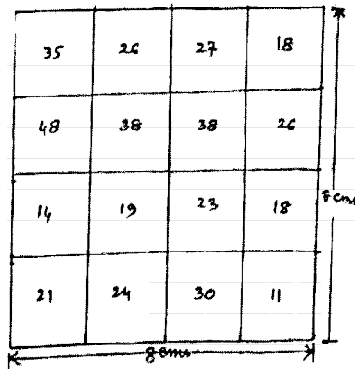
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SH-II/SET-IV/SHGEO/202/C-4T&amp;P/18

**B.Sc. 2nd Semester (Honours) Examination, 2018****Subject : Geography****Course Title : (Cartograms and Thematic Mapping)****(Theory & Practical)****Course Code : SHGEO/202/C-4T****Subject Code : 21912****Time: 4 Hours****Full Marks: 40***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.***Set-IV  
Section-A**

1. Answer *any three* of the following: 2×3=6
- Assess the importance of Age-Sex-pyramid.
  - What is dependency ratio?
  - Define crop combination region according to prof J.C. Weaver.
  - What are IM sheets (open series maps)? Give their extension and scale.
  - Distinguish between general maps and thematic maps.
  - Why cartograms are important in geographical analysis?
2. (a) Explain the principles of construction of ergographs. 4
- Or,*
- (b) What are line graphs? Explain their principles. 2+2=4
3. (a) In the grid network given below the total number of contour crossings (contour interval 20 m, RF. 1 : 50000) in 6.83 kms (both along the grid sides and along the diagonals) are given. Calculate average slope of the grids according to Wentworth's method. 5



(b) Find out the crop combination according to Weaver and name the region as per data given below:

Crop	% cropped area	
Paddy	—	52
Jute	—	25
Wheat	—	10
Potato	—	7
Oilseeds	—	6

4. Lab. Notebook and viva voce

5+5=10

**Section-B**

1. (a) Prepare an Ombrothermic diagram based on the following data:

5

Station — Bolpur

Months	J	F	M	A	M	J	Ju	A	S	O	N	D
Rainfall (mm)	2	59	18	70	169	233	359	143	93	31	0	0
Temp. °C	18	21.1	26.3	29.3	30.9	30.4	29.7	29.2	28.8	27.2	24.1	19.5

(b) Compute and draw a Lorenz curve to show concentration of rural population in selected districts of a region.

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<u>Districts</u>		<u>Population</u> <u>in'000</u>		<u>Rural population</u> <u>in '000</u>
A	—	6050.6	—	375.0
B	—	2555.7	—	177.5
C	—	2805.1	—	289.9
D	—	8331.9	—	689.6
E	—	7281.9	—	169.8
F	—	5715.0	—	70.5
G	—	3729.6	—	10.1
H	—	4335.2	—	176.4
I	—	3852.1	—	90.5
J	—	4740.1	—	61.5

(c) Prepare a stream frequency map of an area (5 km × 5 km) indicated on the toposheet.

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**B.Sc. 2nd Semester (Honours) Examination, 2018**

**Subject : Geography**

**Course Title : (Cartograms and Thematic Mapping)**

**(Theory & Practical)**

**Course Code : SHGEO/202/C-4T**

**Subject Code : 21912**

**Instructions to the Examiners**

**Set-IV**

1. Examiners of the concerned centers are requested to give same top sheet to all the examinees in a center.
2. Examinees are to be interviewed for not more than 10 minutes.
3. While evaluating Q. (a) (Section-B) give emphasis on neatness of drawing, proper heading scale taken and shading/colouring with index.
4. While evaluating Q. (b) (Section-B) give emphasis on correct calculations, neat drawing, scale mentioned and proper heading.
5. S.O.I. Topographical maps of a plateau region as per the syllabus are to be given to the candidates by examiners.
6. Distribution of marks : as mentioned in the question paper.

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**B.Sc. Semester II (Honours) Examination 2018****GEOGRAPHY****Subject Code: 21901****Course Code: SHGEO-201/C-3****Time: 2 Hours****Full Marks: 40***The figures in the right hand side margin indicate marks.*

1. Answer *any five* of the following questions : 2×5=10  
 নিম্নলিখিত প্রশ্নগুলির যে-কোনো পাঁচটি প্রশ্নের উত্তর দাও।
- (a) Define Human Geography according to E. Huntington.  
 হান্টিংটন-এর মত অনুসারে মানবীয় ভূগোলের সংজ্ঞা দাও।
- (b) What do you mean by an 'Ethnic Group'? give example.  
 জাতিতত্ত্বমূলক গোষ্ঠী বলতে কী বোঝো? উদাহরণ দাও।
- (c) Defferentiate between Language and Dialect.  
 ভাষা ও উপভাষার মধ্যে পার্থক্য নির্ণয় করো।
- (d) Mention four examples of food gatherers.  
 আদিম খাদ্য সংগ্রহকারীর চারটি উদাহরণ দাও।
- (e) Who are known as 'Eskimos'?  
 'এস্কিমো' নামে কারা পরিচিত?
- (f) What is dependency ratio?  
 নির্ভরশীলতার অনুপাত বলতে কী বোঝো?
- (g) What do you mean by Dry Point Settlement?  
 শুষ্ক বিন্দু বসতি বলতে কী বোঝো?
- (h) Define 'Double Village'.  
 'দ্বৈত গ্রামে'র সংজ্ঞা দাও।
2. Answer *any five* (5) questions in all selecting at least two (2) questions from each unit: 4×5=20  
 প্রতিটি ইউনিট থেকে কমপক্ষে দুটি (২) করে প্রশ্নের উত্তরসহ মোট পাঁচটি (৫) প্রশ্নের উত্তর দাও:

**UNIT - I**

- (a) Discuss the content and recent trends of Human Geography as a subject.  
 মানবীয় ভূগোলের বিষয়বস্তু ও সাম্প্রতিক গতিপ্রকৃতি আলোচনা করো।
- (b) State the resource approaches to the study of Human Geography.  
 মানবীয় ভূগোলে সম্পদ সম্পর্কিত ধারণাগুলি বিবৃত করো।

- (c) Mention the spatial distribution and characteristics of the Mongoloids.  
মঙ্গলজাতির স্থানিক বণ্টন ও বৈশিষ্ট্যসমূহ উল্লেখ করো।

UNIT- II

- (d) Describe the shelter and mode of living of the Eskimo.  
ত্রস্কিমোদের বাসস্থান ও জীবনযাপন প্রণালী বর্ণনা করো।
- (e) Discuss the controlling factors of sex ratio.  
নারী-পুরুষ অনুপাতের নিয়ন্ত্রণকারী কারণগুলি আলোচনা করো।
- (f) Mention the causes of dispersion of rural settlements.  
গ্রামবসতির বিক্ষিপ্ততার কারণগুলি উল্লেখ করো।
- (g) How is social morphology in rural India influenced by caste system?  
গ্রামীণ ভারতের সামাজিক কায়িক গঠক কীরূপে জাত প্রথার দ্বারা প্রভাবিত হয় ?
- (h) Briefly discuss the influence of urbanisation on environmental problems.  
পরিবেশগত সমস্যার উপর নগরায়নের প্রভাব সংক্ষেপে আলোচনা করো।

3. Answer *any one* question:

10×1=10

যে-কোনো একটি প্রশ্নের উত্তর দাওঃ

- (a) Discuss the spatial distribution and characteristics of Indo-European Language Family in the world.  
পৃথিবীতে ইন্দো-ইউরোপীয় ভাষা পরিবারের স্থানগত বণ্টন ও বৈশিষ্ট্যসমূহ আলোচনা করো।
- (b) Explain the Demographic Transitional Model.  
জনসংখ্যার অবস্থান্তর মডেলটি ব্যাখ্যা করো।
- (c) Discuss the salient features of Population Resource Regions as proposed by Ackerman.  
অ্যাকারম্যান প্রদত্ত জনসংখ্যা-সম্পদ অঞ্চলগুলির প্রধান বৈশিষ্ট্যগুলি আলোচনা করো।

**B.Sc. Semester II (Honours) Examination 2018**  
**GEOGRAPHY**

**Subject Code: 21903**

**Course Code: SHGEO-203/GE**

**Time: 2 Hours**

**Full Marks: 40**

*The figures in the right hand side margin indicate marks.*

**Section - A**

1. Answer *any five* questions from the following questions:

5×2=10

নিম্নলিখিত প্রশ্নগুলির মধ্যে যে-কোনো পাঁচটি প্রশ্নের উত্তর দাও :

(a) Define human ecology.

মানব বাস্তু-বিদ্যার সংজ্ঞা দাও।

(b) What do you mean by cultural region?

সাংস্কৃতিক অঞ্চল বলতে কী বোঝো ?

(c) Mention two characteristics of 'Age-sex Pyramid' of developing countries.

উন্নয়নশীল দেশের 'বয়স-লিঙ্গ পিরামিডের' দুটি বৈশিষ্ট্য লেখো।

(d) What is subsistence farming?

জীবিকাসত্তা ভিত্তিক কৃষি বলতে কী বোঝো ?

(e) What is 'Sex-ratio'?

নারী-পুরুষ অনুপাত বলতে কী বোঝো ?

(f) Define 'Demographic Transition Model' of society.

সমাজের জন বিবর্তন মডেলের সংজ্ঞা দাও।

(g) What do you mean by 'Pattern of rural settlement'?

গ্রামীণ বসতির ধরন (Pattern) বলতে কী বোঝো ?

(h) What is caste wise segregation of rural settlement?

গ্রামীণ বসতির জাতিভিত্তিক পৃথকীকরণ কাকে বলে ?

**Section - B**

2. Answer *any four* from the following questions:

5×4=20

নিম্নলিখিত প্রশ্নগুলির মধ্যে যে-কোনো চারটি প্রশ্নের উত্তর দাও :

(a) Mention in brief the importance of humanistic approach in Human Geography.

মানবীয় ভূগোলের মানবতাবাদী দৃষ্টিভঙ্গির গুরুত্ব সংক্ষেপে উল্লেখ করো।

- (b) Differentiate 'Race' from 'Ethnicity'  
জাতি ও জাতিসত্তার মধ্যে পার্থক্য নিরূপণ করো।
- (c) Explain the concept of 'Optimum' and 'Over population'.  
'কাম্য জনসংখ্যা ও জনাকীর্ণতার ধারণা ব্যাখ্যা করো।
- (d) What are the social determinants of population growth?  
জনসংখ্যা বৃদ্ধির সামাজিক নিয়ন্ত্রকগুলি কী কী?
- (e) Briefly describe the salient features of 'Brazilian type' of population-resource region.  
ব্রাজিলীয় ধরনের জনসংখ্যা-সম্পদ অঞ্চলের বিশেষ দিকগুলি সংক্ষেপে লেখো।
- (f) Mention different types of rural settlements of northern India.  
উত্তর ভারতের গ্রামীণ জনবসতির বিভিন্ন ধরনগুলির উল্লেখ করো।
- (g) Make a short note on the content of Human Geography.  
মানবীয় ভূগোলের বিষয়বস্তু (content) উল্লেখ করো।

**Section - C**

**3. Answer any one question:**

10×1=10

যে-কোনো একটি প্রশ্নের উত্তর দাও:

- (a) Discuss in brief the different stages of evolution of human societies with examples.  
উদাহরণসহযোগে মানব সম্পদের বিভিন্ন স্তরগুলি সংক্ষেপে আলোচনা করো।
- (b) Mention different stages of 'Demographic Transition Model' with suitable diagram.  
উপযুক্ত চিত্রসহ জনসংখ্যা বিবর্তন তত্ত্বের বিভিন্ন ধাপগুলি বর্ণনা করো।
- (c) Discuss the physical and cultural factors responsible for population distribution taking suitable examples from India.  
জনসংখ্যা বণ্টনের প্রাকৃতিক ও সংস্কৃতিক নিয়ন্ত্রকগুলির আলোচনা করো, ভারতের উদাহরণসহ।

**B.Sc. Semester II (Programme) Examination 2018**  
**GEOGRAPHY**

**Subject Code: 21904**

**Course Code: SPGEO-201/C-1B**

**Course Title: Human Geography**

**Time: 2 Hours**

**Full Marks: 40**

*The figures in the right hand side margin indicate marks.*

**Section - A**

1. Answer *any five* questions from the following questions: 5×2=10  
নিম্নোক্ত প্রশ্নগুলির মধ্যে যে-কোনো পাঁচটি প্রশ্নের উত্তর দাওঃ
- (a) What do you mean by environmental approach in Human Geography?  
মানবীয় ভূগোলের পরিবেশগত দৃষ্টিভঙ্গি বলতে কী বোঝো?
- (b) Define ethnicity.  
জাতিসত্তার সংজ্ঞা দাও।
- (c) What is subsistence farming?  
জীবিকাসত্তা ভিত্তিক কৃষি বলতে কী বোঝো?
- (d) What is Cephalic Index?  
Cephalic Index কাকে বলে?
- (e) Define demographic transition model of society.  
সমাজের জনবিবর্তন মডেলের সংজ্ঞা দাও।
- (f) Mention two characteristics of 'Age-sex pyramid' of developing countries.  
উন্নয়নশীল দেশের 'বয়স-লিঙ্গ পিরামিডের' দুটি বৈশিষ্ট্য লেখো।
- (g) What do you mean by development-environment conflict?  
উন্নয়ন-পরিবেশ নীতি সম্পর্কিত বিরোধ বলতে কী বোঝো?
- (h) What is castewise segregation of rural settlement?  
গ্রামীণ জনপদের জাতিভিত্তিক পৃথকীকরণ কাকে বলে?

**Section - B**

2. Answer *any five* from the following questions taking at least two from each unit : 4×5=20  
প্রতিটি ইউনিট থেকে কমপক্ষে দুটি করে প্রশ্নের উত্তরসহ মোট পাঁচটি প্রশ্নের উত্তর দাও :

**Unit - I**

- (a) Describe different branches of Human Geography.  
মানবীয় ভূগোলের বিভিন্ন শাখা গুলির বিবরণ দাও।



- (b) Make a short note on environmental approach of Human Geography.  
মানবীয় ভূগোলে পরিবেশগত দৃষ্টিভঙ্গি সম্পর্কে সংক্ষিপ্ত একটি টীকা লেখো।
- (c) Differentiate Race from Ethnicity.  
জাতি ও জাতিসত্তার মধ্যে পার্থক্য নিরূপণ করো।
- (d) How ethnic identities of aboriginal communities have been eroded?  
আদিম জনগোষ্ঠীর জাতিগত বৈশিষ্ট্যগুলি কীভাবে বিলুপ্ত হয়ে যাচ্ছে?

**Unit - II**

- (e) Explain the concept of 'optimum population' and 'over population'.  
'কাম্য জনসংখ্যা' ও 'জনকীর্তার' ধারণা ব্যাখ্যা করো।
- (f) What are the social determinants of population growth?  
জনসংখ্যা বৃদ্ধির সামাজিক নিয়ন্ত্রকগুলি কী কী?
- (g) Mention different types of rural settlements of northern India.  
উত্তর ভারতের গ্রামীণ জনবসতির বিভিন্ন ধরনগুলির উল্লেখ করো।
- (h) Classify rural settlements based on spacing of dwelling homes.  
বাসভূমির মধ্যকার অন্তর্বর্তী দূরত্বের উপর ভিত্তি করে গ্রামীণ বসতির শ্রেণিবিভাগ করো।

**Section - C**

3. Answer *any one* question from the following:

10×1=10

নিম্নলিখিত প্রশ্নগুলির মধ্যে যে-কোনো একটি প্রশ্নের উত্তর দাও:

- (a) Discuss, in brief, the different stages of evolution of human societies with examples.  
উদাহরণসহযোগে মানব সমাজের বিবর্তনের বিভিন্ন স্তরগুলি সংক্ষেপে আলোচনা করো।
- (b) Describe different patterns of rural settlements.  
গ্রামীণ বসতির বিভিন্ন ধরনের বিন্যাসের শ্রেণিবিভাগ করে তার বর্ণনা দাও।
- (c) Mention different stages of Demographic Transition Model.  
জনসংখ্যা বিবর্তন তত্ত্বের বিভিন্ন ধাপগুলির বর্ণনা দাও।