TDC (CBCS) Even Semester Exam., 2019

GEOGRAPHY

(2nd Semester)

Course No. : GEOHCC–202 P

(Thematic Cartography)

(Practical)

Full Marks : 70
Pass Marks : 28

Time : 5 hours

The figures in the margin indicate full marks for the questions

Answer **all** questions

1. Define maps. Classify maps with examples based on different criteria. 2+8=10

2. Represent the following set of data with the help of hythergraph. Give a geographical interpretation on it : 7+3=10

Temperature and Rainfall in Allahabad

Months	*Jan*	*Feb*	*Mar*	*Apr*	*May*	*Jun*
Temperature (in °C)	15·28	18·28	24·90	30·90	33·61	32·67
Rainfall (in cm)	1·78	1·27	0·76	0·25	0·76	11·43

Months	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*
Temperature (in °C)	29·17	25·67	28·33	25·33	19·72	15·44
Rainfall (in cm)	4·96	8·19	11·76	5·59	0·51	0·51

Or

Represent the following set of data with the help of egrograph. Give a geographical interpretation on it : 7+3=10

Months	*Jan*	*Feb*	*Mar*	*Apr*	*May*	*Jun*
Temperature (in °F)	62	64	72	84	90	91
Relative Humidity (in %)	50	48	46	46	50	52
Rainfall (in inch)	0·1	0·2	0·15	0·05	0·15	0·3

Months	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*
Temperature (in °F)	90	86	84	80	70	62
Relative Humidity (in %)	63	68	64	54	48	50
Rainfall (in inch)	2·6	1·9	0·8	0·1	0·05	0·1

Sl. No.	*Crops*	*Growing Seasons*	*Net acreage* (in '000)
1	Rice	May to October	100
2	Wheat	October to April	1100
3	Cotton	June to December	600
4	Jowar	July to October	350
5	Bajra	June to October	300

3. What do you mean by thematic map? Discuss the advantages and disadvantages of using thematic maps elaborately. 2+4+4=10

4. Prepare a thematic map of Assam from the following set of data with the help of choropleth method. Provide a geographical interpretation on it : 8+2=10

Population Census of Assam, 2011		
Sl. No.	*Districts*	*Population* (density/km^2)
1.	Nagaon	711
2.	Dhubri	896
3.	Sonitpur	370
4.	Cachar	459
5.	Barpeta	742
6.	Kamrup	489
7.	Tinsukia	350
8.	Dibrugarh	392
9.	Kamrup Metro	1313
10.	Karimganj	679
11.	Sibsagar	431
12.	Jorhat	383
13.	Golaghat	305
14.	Lakhimpur	458
15.	Goalpara	553
16.	Morigaon	617
17.	Karbi Anglong	92
18.	Baksa	387
19.	Darrang	586
20.	Kokrajhar	269
21.	Udalguri	413
22.	Nalbari	733
23.	Bongaigaon	676
24.	Dhemaji	212
25.	Hailakandi	497
26.	Chirang	251
27.	Dima Hasao	44

5. Prepare a map of an area selected by the examiner taking minimum 8 instrument stations with the help of closed traverse surveying by prismatic compass. Adjust the closing error with a note on its procedure. 10+5=15

Or

Prepare a map of an area selected by the examiner taking minimum 8 instrument stations and 8 objects on both sides of the line with the help of open traverse surveying by prismatic compass. Write a descriptive note on its procedure. 10+5=15

6. *(a)* Practical Note Book. 10

(b) Viva voce. 5

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