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6 SEM TDC GGR M 7

2017

(May)

GEOGRAPHY

(Major)

Course : 607

(Geographic Thoughts and Quantitative Methods)

Full Marks : 48

Pass Marks : 19/14

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×4=4

(a) Who is considered to be the father of geography?

(b) Who declared geography to be 'Erdkunde' or an earth science?

(c) The value of standard deviation is greater than the value of mean deviation for a same series of data.

(Write True or False)

(d) Calculation of harmonic mean is a kind of measure of dispersion.

(Write True or False)

2. Answer the following questions **within 150 words** each : 4×2=8

- (a) Write the contribution of Carl Ritter towards the development of geography.
- (b) Write a note on the necessity of quantitative techniques in geographical studies.

Each question of Unit—I and Unit—II to be answered **within 300 words**

UNIT—I

(**Geographic Thoughts**)

3. Describe the effect of exploration and discovery on the conceptual development of geographical studies during the medieval period. 9

Or

Write an essay on the contribution of Arab Philosophers towards the development of geography.

4. Give an account of the contribution of French School of Geography with special reference to the works of Vidal de la Blache. 9

UNIT—II

(Quantitative Methods)

5. What is measure of central tendency? What are its necessities in geographical studies? What are the different types of measure of central tendency? The land holding of a village is given in the following table. Calculate the median of land holding of the village : $1+2+1+5=9$

Table : *Land Holding in a Village*

Area of land (in acre)	10-20	20-30	30-40	40-50	50-60	60-70
No. of families	24	30	20	45	18	13

Or

What is measure of dispersion? What are its objectives? What are the different types of measure of dispersion? Calculate the standard deviation from the following data :

$$1+2+1+5=9$$

Table : *Marks obtained by students in an examination*

Marks	30-40	40-50	50-60	60-70	70-80	80-90
No. of Students	4	12	8	14	10	2

6. What is correlation? What are its utilities in geographical studies? The following table gives the quantities of use of manure and production of certain crop in an agricultural field. Calculate the correlation coefficient and interpret the result : $1+2+5+1=9$

<i>Manure used per acre (in kg)</i>	30	40	50	60	70	80	90	100
<i>Production of crop per acre (in quintal)</i>	20	30	42	46	50	52	54	55

Or

Write short notes on any two of the following : $4\frac{1}{2}\times 2=9$

- Use of sampling techniques in geographical studies
- Regression analysis
- Coefficient of variation
