

## P.G. 1st Semester–2016

### GEOGRAPHY

(CBCS)

(Surveying and Preparation of Maps)

Paper : 105

[PRACTICAL]

Full Marks : 50

Time : 4 Hours

The figures in the right-hand margin indicate marks.

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

Answer all the questions.

#### UNIT–I

(Cartograms and Thematic Mapping)

1. Using the following table, perform the crop combination analysis following Weaver's method.

Crops	Area (Hectares)	
i) Rice	137	
ii) Wheat	192	
iii) Corn	86	
iv) Vegetables	87	
v) Barley	32	
vi) Hay	41	
vii) Sorghum	13	
viii) Oats	09	7

[Turn over]

2. a) Findout Nearest Neighbour Value ( $R_n$ ), and interpret it, when sum of distance between point i and its nearest neighbour ( $\sum d_i$ )=89.2cm, Total number of points in the area (N)=39 and Area (A)=301.3cm<sup>2</sup>. 4
- b) What is the difference between area-height diagram and hypsometric curve? What is Givi co-efficient? 2+1=3

#### UNIT–II

(Projection)

3. Draw graticules on Mercator's projection at 20° interval on scale, 1:140,000,000 for the whole globe. What is rhumbline or loxodrome?

12+2=14

#### UNIT–III

(Surveying and Preparation of Geographical Maps)

4. a) Collect six GPS waypoint values on the given marked positions by the handheld Garmin GPSMAP efrex no receiver and store the collected data in a Microsoft Word document with your Roll No. 10
- b) Distinguish between geodetic and plane survey. 4

#### UNIT–IV

5. Viva-Voce and Laboratory Note Book. 4+4=8

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