Sidho-Kanho-Birsha University

UG 6th Semester Examination 2020

GEOGRAPHY

[HONOURS]

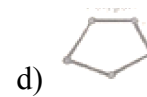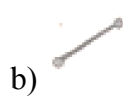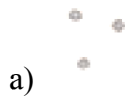### BGEOCCHS602 (Geographical Information System)

[PRACTICAL]

Full Marks: 20

The figures in the right-hand margin indicate marks. Candidates are requested to give their answers in their own words as far as practicable.

Attempt all questions

1. What are the sources of input data for GIS? (2)

2. Who is regarded as the "Father of GIS"? (2)

3. Identify the following features: (2)

a)   b)   c)   d)

4. Match the following: (*Write the complete answers; do not mention the numbers only*) (2)

A	B
a) DBMS	i) geoprocessing tool for topological editing
b) Digitization	ii) process of converting analogue data to digital format
c) Topology	iii) computer programme to store, retrieve and modify data
d) Snapping	iv) set of rules that model spatial relationships between vector features

5. Which vector tool will you use for digitizing each of the following? (2)

    a) Protected Forest
    b) a cart track from topographical map no. 64 I/13
    c) a point bar in a river channel
    d) a settlement

6. Mention the differences between raster and vector data format. (5)

7. Write a short note on the application of GIS in Physical Geography. (5)