

B.Sc. Semester-IV Examination, 2022-23**GEOGRAPHY [Honours]**

Course ID : 41925 . Course Code : SH/GEO/405/SEC-2

Course Title : GIS & GPS [Practical]

SET-II

Time : 3 Hours

Full Marks : 40

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

1. Short answer type (Answer all the following questions): 2×5=10

~~a)~~ Define GIS.

~~b)~~ Mention the global and regional navigation satellite systems.

~~c)~~ What is Raster data?

~~d)~~ Distinguish between spatial and attribute data.

~~e)~~ Mention major segments of GPS.

SECTION-B

2. Rectify the given topological map with at least four GCPs and compose the rectified image in the map composer. $6+4=10$
3. Represent the following data (Table-1) derived from a GPS close traverse survey in an area by handheld GPS with the appropriate heading and annotation. $6+4=10$

Table-1

Waypoint Name	Easting (in mtr.)	Northing (in mtr.)
A	785512	4471244
B	785431	4471053
C	785384	4470967
D	785173	4471037
E	785171	4471036
F	784907	4470893
G	785375	4470835
H	785616	4471244
A	785512	4471244

4. Laboratory Notebook and Viva voce. $5+5=10$