# CHANCHAL COLLEGE 

# HOME ASSIGNMENT 2021 <br> B.A PART-II <br> GEOGRAPHY (Honours) <br> Fourth Paper (Practical) 

[New Syllabus]

## Full Marks : 50

The figures in the margin indicate full marks.
1.How to measure of an area by graphical method? ..... 5
2.a)Define Map Projection. Classify map projection based on the projection plane. ..... $1+4$
b)Calculate the graticules on Polyconic Projection for the extension $35^{\circ} \mathrm{N}$ to $75^{\circ} \mathrm{N}$ and $20^{\circ} \mathrm{W}$ to $40^{\circ} \mathrm{E}$ at
$10^{\circ}$ interval on scale 1:60000000. ..... 8
c) State the principles and properties of Sinusoidal Projection. ..... 3+3
d)Explain the terms: Generating globe, developable surface, standard parallel. ..... $2 \times 3=6$
3.a)The following consecutive readings were taken with a leveling instrument at intervals of 20 m .
$2.375,1.730,0.615,3.450,2.835,2.070,1.835,0.985,0.435,1.630,2.255$ and 3.630 m
The instrument was shifted after fourth and eighth readings. The last reading was taken on a BM of RL 110.200 m . Find the RLs of all the points.
b)What are the objectives of surveying? ..... 3
c) State the principles of surveying. ..... 3
d)Convert the following WCBs to QBs. ..... 1X4=4
i) $W C B$ of $A B=45^{\circ} 30^{\prime}$ ii) WCB of $\mathrm{BC}=125^{\circ} 45^{\prime}$III) WCB of $\mathrm{CD}=222^{\circ} 15^{\prime}$IV) WCB of DE $=320^{\circ} 30^{\prime}$

