

WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION

SUBJECT: GEOGRAPHY (GEGR)

CLASS – XII

PRACTICAL

FULL MARKS: 30

Units	Contents	Hrs	Marks
Unit 1	Data Processing Using Statistical Techniques: a. Type and source of data b. Tabulation and processing of data; Construction of data array; Frequency distribution table; Histogram, Frequency polygon; and Ogives c. Measures of central tendency Mean; Median; Mode d. Measures of dispersion Absolute measures (range, mean deviation, standard deviation); Relative measure (co-efficient of variation)	10	05
Unit 2	Cartograms and Thematic Mapping: a. Bar graphs Simple; Multiple; Compound b. Divided proportional circles c. Flow chart d. Ombrothermic diagram e. Thematic maps – Dot, Isopleths and Choropleth	10	05
Unit 3	Application of Geographical Instruments: a. Angular measurement using Prismatic Compass (forward and backward bearings) b. Pebble diameter measurement using Slide Caliper (major, minor, and intermediate axes) c. Measurement of strike direction and dip amount using Clinometer Compass d. Six's maximum & minimum thermometer	12	05
Unit 4	Remote Sensing and Geographic Information System (GIS): a. Remote sensing - Concept of remote sensing; Definition; Source of energy; Types of sensors; Types of image acquisition platforms; Modern application b. GIS - Introduction to GIS; Hardware and software requirements; Data formats vector and raster; Concept of data input, editing, analysis, manipulation, and representation	04	05
Unit 5	Preparation and Presentation of Field Report: Report based of structured survey schedule on (any one) - a. Household survey b. Market survey c. Traffic survey Note: Students of school in rural area will visit any type of urban Centre or unit / Students of school in urban area will visit a rural area for Household survey.	04	05
Unit 6	Laboratory Notebook and Viva voce	-	05

The laboratory notebook should contain A3 sized (42 cm 29.7 cm) white pages in landscape mode.

Tutorial Remedial + Assignments: 6+10+420 Hours (Semester: III+IV)