

HALDIA GOVERNMENT COLLEGE

DEPT. OF GEOGRAPHY (UG & PG)

4-YEAR UNDERGRADUATE PROGRAMME(CCFUP)

Syllabus Distribution for UG SEM -1 2023-24

MAJOR-1: Geotectonics and Geomorphology (Theory)

Sl No	Topic	Teacher
1	Geological time scale: Tectonic and biological history of Earth; Dating of rocks: absolute and relative dating. Earth's interior structure: Seismological evidence. Isostasy: Models of Airy and Pratt.	SH
2	Continental Drift; Plate Tectonics: Processes along different margins and resulting landforms. Types of Fold and Fault; Sea floor spreading	PS
3	Geomorphic processes and resultant forms: Weathering, Mass wasting, River, Glacier and Wind.	GCH
5	Structural impact on landforms: Drainage and landform development on Horizontal, Homoclinal, Folded and Faulted structure	YD
6	Models of landscape evolution: Views of Davis, Penck, King and Hack	SM

SEC1P: Basic Computer Applications in Economics (Practical)

Sl No	Topic	Teacher
1	Knowing computer: what is computer, basic application of computer, computer memory, concepts of hardware and software; operating system; running an application, viewing of file, folders and directories, creating and renaming of files and folders	SH
2	Understanding word processing.	SH
3	Using spreadsheet: basics of spreadsheet; manipulation of cells; formulas and functions; editing of spreadsheet, printing of spreadsheet.	SH
5	Concept of internet; application of internet; World Wide Web; email	SM
6	Making a small presentation: MS PowerPoint	SM

BACHELOR DEGREE WITH GEOGRAPHY (MULTIDISCIPLINARY STUDIES)**MJ A1/B1T: Fundamentals of Earth System Science**

Sl No	Topic	Teacher
1	Geotectonics: Origin of Earth, Earth's interior, Isostasy, Continental drift and Plate tectonics.	SH
2	Geomorphology: Working of processes and landforms developed by weathering, mass wasting, river, glacier and wind. Landscape evolution models of Davis, Penck, King and Hack	SM
3	Hydrology and Oceanography: Hydrological Cycle. Hydrological Parameters: Run off, Infiltration and evapotranspiration. Occurrence and storage of Groundwater. Major relief features of the ocean floor: Pacific, Atlantic and Indian Ocean. Formation of coral reefs. Distribution of Salinity and Temperature in Pacific, Atlantic and Indian Ocean.	GCH
4	Climatology: Composition and layering of the atmosphere. Factors of Insolation, Heat budget of the atmosphere. Horizontal and vertical distribution of temperature. Mechanism and forms of precipitation. Pressure belts and general circulation in the atmosphere. Tropical and mid-latitude cyclones. Monsoon. Climatic classification after Köppen, Thornthwaite	YD
5	Soil Geography: Factors of soil formation. Soil profile development in Lateritic, Podzol and Chernozem soils. Physical and chemical properties: soil texture, structure, pH, organic matter and NPK. Principles of soil classification: Genetic and USDA	PS