

DELHI PUBLIC SCHOOL GHAZIABAD
 CLASS XI-LESSON PLAN
 FUNDAMENTAL OF PHYSICAL GEOGRAPHY
 CHAPTER 1-GEOGRAPHY AS A DISCIPLINE

Session 2019-20
GEOGRAPHY AS A DISCIPLINE- Geography as an Integrating Discipline, Branches of Geography based on Systematic approach, based on regional approach.
Class Transaction Hrs
06 Hrs
Pre-requisite for the course
Students should have the basic knowledge of Geography as a discipline .
Objective
To provide students the knowledge and understanding of What is Geography? Geography as a Integrated Discipline and branches of geography based on different approaches. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of Geography as an Integrating Discipline. They will understand about the Relationship between Geography and Natural Sciences. They will know about the Relationship between Geography and Social Sciences . They will understand about the Branches of Geography based on Systematic Approach. They will understand about the Branches of Geography based on Regional Approach.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: Tutorials i. e. question bank
Resources
CBSE book Study material

Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, example.

DELHI PUBLIC SCHOOL GHAZIABAD
CLASS XI LESSON PLAN
FUNDAMENTAL OF PHYSICAL GEOGRAPHY
CHAPTER 1-GEOGRAPHY AS A DISCIPLINE

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Geography as a Discipline
Objective:

- Given questions based on the topic. Learners will be able to revise the basic principle of geography.
- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz

Materials required and Teaching Aids: blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand what is geography?.
- The students will understand geography as an integrated discipline.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will understand the relation between Physical Geography and Natural sciences.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook

DAY 3

- The student will understand Branches of Geography based on Systematic Approach.
- Teacher will explain about Physical Geography, Human Geography, Biogeography.

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained Branches of Geography based on Regional Approach.
- They will study about the Regional Studies, Regional Planning, Regional Development. The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained Physical Geography and its importance.
- They will study branches of Geography through Flow Chart.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTAL OF PHYSICAL GEOGRAPHY

CHAPTER 2-THE ORIGIN AND EVOLUTION OF THE EARTH

THE ORIGIN AND EVOLUTION OF THE EARTH- Early Theories of origin of the Earth, Modern Theories of origin of the Earth, Big Bang Theory, The Star Formation, Formation of Planets, Our Solar System Evolution of the Earth, Evolution of the Lithosphere, Evolution of the Atmosphere and Hydrosphere, Origin of Life
Class Transaction Hrs
08Hrs
Pre-requisite for the course
Students should have the basic knowledge of Earth as a Planet And Solar System.
Objective
To provide students the knowledge of Early and Modern theories of origin of the Earth, Formation of Planets, Our Solar System and Evolution of the Earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of early Theories of origin of the Earth. They will understand about the Modern theories of origin of the Earth. They will know about the formation of the Star and Planets. They will understand about our Solar System. They will understand about the Evolution of the Earth. They will understand about evolution of the Lithosphere, Atmosphere and Hydrosphere.

Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples,

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTAL OF PHYSICAL GEOGRAPHY

CHAPTER 2-THE ORIGIN AND EVOLUTION OF THE EARTH

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic The Origin and Evolution of the Earth
Objective:

- Given questions based on the topic.
- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment

- Quiz
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of evolution of the Earth.
- The students will understand about Nebular Hypothesis and Binary theories..
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the Modern theories of origin of the earth.
- The student will be explained The Star Formation and formation of Planets
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

They will prepare the spectral graph for practice.

DAY 3

- Teacher will explain about Our Solar System.
- Teacher will explain the Inner planets and Outer Planets.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook

DAY 4

- The students will be explain about Evolution of the Earth.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.
Citizenship with the help of global aspect of the subject.
Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The student will be explain Evolution of Lithosphere.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.
Citizenship with the help of global aspect of the subject.
Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained the Evolution of Atmosphere and Hydrosphere.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.
Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTAL OF PHYSICAL GEOGRAPHY

CHAPTER 3- INTERIOR OF THE EARTH

INTERIOR OF THE EARTH- Sources of Information about the Interior of the Earth, Direct Sources, Indirect Sources , Earthquake, Earthquake Waves, Types of Earthquakes Effects of Earthquake, Structure of the Earth Volcanos and Volcanic Landforms.
Class Transaction Hrs
05 Hrs
Pre-requisite for the course
Students should have the basic knowledge of the Earth.

Objective
To provide students the knowledge of origin of the earth, Process of volcano and earthquake, Structure of the earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of direct and indirect sources of information of the interior of the earth. They will understand about the earthquake, earthquake waves and propagation of earthquake waves. They will know about the types and effects of earthquakes. They will understand about the different layers of the earth-The crust, The mantle, The core. They will understand about the volcanoes, different types of volcanoes They will understand about intrusive forms of volcanoes
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based

problems,
ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD
CLASS XI LESSON PLAN
FUNDAMENTAL OF PHYSICAL GEOGRAPHY
CHAPTER 3- INTERIOR OF THE EARTH

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Interior of the earth

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of interior of the earth.
- The students will understand the direct and indirect sources of information about the interior of the earth.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will be explained about the earthquake, body waves and surface waves
- The student will be explained about the propagation of earthquake waves and emergence of shadow zone of earthquake waves
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained types of earthquake, effects of earthquake.
- The student will be explained the frequency of earthquake occurrences.
- .
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.
Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained about the structure of the earth.
- The students will be explained about different layers of the earth (The crust, The mantle, The core)
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained volcanoes
They will study about the different types of volcanoes (shield volcanoes composite volcanoes, caldera and flood basalt provinces)
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained different volcanic landforms such as Batholiths, Lacoliths, Lapoliths, Sills and dykes
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-4 DISTRIBUTION OF OCEANS AND CONTINENTS

DISTRIBUTION OF OCEANS AND CONTINENTS -Continental drift theory,Evidences in support of the continental drift theory,Post drift theory,Mapping of ocean floors,Ocean floors configuration,Continental margins,Concept of sea floor spreading,Plate tectonics,Types of boundaries,Movement of Indian plate.
Class Transaction Hrs
05Hrs
Pre-requisite for the course
Students should have the basic knowledge of Ocean and Continents
Objective
To provide students the knowledge and understanding of distribution of Ocean and distribution and plate tectonics. Key Competencies - Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of Continental Drift theory given by Alfred Wegener. They will understand about the evidences in support of the Continental Drift theory. They will know about the force for drifting. They will understand about the post-drift studies given by Arthur Holmes. They will understand about the mapping of ocean floor. They will understand about the ocean floor configuration. They will understand about the concept of Sea floor spreading. They will understand about Plate Tectonics, major and minor plates of the world,different boundaries and movement of the Indian plate.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank

Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD
CLASS XI LESSON PLAN
FUNDAMENTALS OF PHYSICAL GEOGRAPHY
CH-4 DISTRIBUTION OF OCEANS AND CONTINENTS

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Distribution of Ocean and Continents

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of remote sensing.
- The students will understand the Continental Drift theory.
- Teacher will explain about the super continents Pangea.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the various evidences in support of the Continental Drift theory
- Teacher will explain about the force responsible for drifting.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about post drift studies.
- Teacher will explain the mapping of ocean floor, ocean floor configuration and continental margins.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

They will draw all the reflectance curve in their notebooks.

DAY 4

- The students will be explained the concept of sea floor spreading.
- Plate tectonics theory will be explained
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained about different types of plate boundary and rate of plate movement.
- They will study about force for plate movement and movement of the Indian plate.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD
 CLASS XI-LESSON PLAN
 FUNDAMENTALS OF PHYSICAL GEOGRAPHY
 CH-5 MINERALS AND ROCKS

MINERALS AND ROCKS- Rocks and Minerals and their characteristics, Different types of rocks. Rock cycles
Class Transaction Hrs
04 Hrs
Pre-requisite for the course
Students should have the basic knowledge of Rocks and different layers of the earth.
Objective
To provide students the knowledge and understanding of Different Rocks and Minerals. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of the Minerals and major elements of the earth. They will understand about the physical characteristics of the minerals. They will know about the metallic and non-metallic minerals. They will understand about the different types of rocks.

They will understand about the Rock Cycle.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-5 MINERALS AND ROCKS

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Minerals and Rocks
Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of remote sensing.
- The students will understand about the minerals and their characteristics.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the some major minerals and their characteristics,metallic and non-metallic minerals
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about composition of the rock.
- Teacher will explain the different types of rocks.(Igneous,Sedimentary,Metamorphic rocks)
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained about the Rock Cycle.
- They will study about the diagram of the rock cycle.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-6 GEOMORPHIC PROCESSES

GEOMORPHIC PROCESSES-Endogenic processes,Exogenicprocesses,Weathering,Special effects of Weathering,MassMovement,Erosion and deposition,Soilformation,Soil forming factor.
Class Transaction Hrs
108 Hrs
Pre-requisite for the course
Students should have the basic knowledge of volcanoes,earthquake.
Objective
To provide students the knowledge and understanding of the formation of features of the earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
Students will acquire the knowledge of exogenic and endogenic processes. They will understand about the denudational processes and their driving forces. They will know about the chemical and physical weathering processes. They will understand about the significance of weathering. They will understand about the mass movement. They will understand about erosion and deposition of rock debris. They will understand about process of soil formation.

Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-6 GEOMORPHIC PROCESSES

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Geospatial
Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of remote sensing.
- The students will understand the geomorphic processes.
- Teacher will explain the endogenic and the exogenic forces.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the various sources of endogenic processes
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about exogenic processes.
- Teacher will explain about action of weathering..
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

They will draw all the reflectance curve in their notebooks.

DAY 4

- The students will revise the previous day work.
- The students will be explained about chemical weathering processes and physical processes
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained special effects and significance of weathering.
- They will study about the mass movement of rock debris and landslides.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained about the erosion and deposition and soil formation
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 7

- The students will be explained soil forming factors such as parent material, topography, climate, biological activity..
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD
CLASS XI-LESSON PLAN
FUNDAMENTALS OF PHYSICAL GEOGRAPHY
CHAPTER 7- LANDFORMS AND THEIR EVOLUTION

LANDFORMS AND THEIR EVOLUTION- Depositional and erosional landforms formed by the running water, currents and waves, groundwater and wind.
Class Transaction Hrs
08Hrs
Pre-requisite for the course
Students should have the basic knowledge of rocks and endogenic and exogenic forces of the earth.
Objective
To provide students the knowledge and understanding of the formation of the different physical features of the earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration

Learning Outcomes
Students will acquire the knowledge of different landforms. They will understand about the geomorphic agents such as running water, ground water, glaciers, waves and currents. They will know about the different erosional and depositional landforms formed by the exogenic forces.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CHAPTER 7- LANDFORMS AND THEIR EVOLUTION

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic landforms and their evolution.

Objective:

- Given questions based on the topic. Learners will be able to revise the basic principle of landforms and their evolution.
- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of formation of landform.
- The students will understand depositional and erosional landforms formed by the running water .
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- Discuss the various erosional landforms formed by the groundwater.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the erosional landforms formed by the groundwater such as - cirque, horns and glacial valleys.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

They will draw all the reflectance curve in their notebooks.

DAY 4

- The students will be explained the different depositional landforms formed by the waves and currents such as beaches, bars, barriers .
- They will study about the erosional landforms formed by the waves and currents.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained the erosional landforms formed by the wind, such as pediments, playas, etc.
- They will study about the depositional landforms formed by the wind, such as the sand dunes and crescent.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTAL OF PHYSICAL GEOGRAPHY

CHAPTER 8-COMPOSITION AND STRUCTURE OF ATMOSPHERE

COMPOSITION AND STRUCTURE OF ATMOSPHERE-Composition of atmosphere, Structure of atmosphere.

Class Transaction Hrs
04Hrs
Pre-requisite for the course
Students should have the basic knowledge of atmosphere .
Objective
To provide students the knowledge of composition and structure of atmosphere. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of Composition of atmosphere, Structure of atmosphere.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral

Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples,

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTAL OF PHYSICAL GEOGRAPHY

CHAPTER 8-COMPOSITION AND STRUCTURE OF ATMOSPHERE

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Composition and structure of atmosphere
Objective:

- Given questions based on the topic.
- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment

- Quiz
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of atmosphere.
- The students will understand about composition of the atmosphere.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will be explained structure of the atmosphere.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3.

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-9 SOLAR RADIATION, HEAT BALANCE AND TEMPERATURE

SOLAR RADIATION, HEAT BALANCE AND TEMPERATURE- Solar radiation, Heating and cooling of Atmosphere, terrestrial radiation, Heat budget of the earth, Factors controlling temperature distribution, Distribution of temperature, Inversion of temperature.
Class Transaction Hrs. 6 Hrs
Pre-requisite for the course
Students should have the basic knowledge of atmosphere

Objective
To provide students the knowledge and understanding of the solar radiation and heat budget of the earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
Students will acquire the knowledge of Solar radiation. They will understand about the Heating and cooling of Atmosphere. They will know about the terrestrial radiation. They will understand about t the Heat budget of the earth. They will understand about the Factors controlling temperature. distribution. They will understand about Distribution of temperature. They will understand about Inversion of temperature.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity

To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-9 SOLAR RADIATION, HEAT BALANCE AND TEMPERATURE

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Solar radiation, heat budget and temperature.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand the solar radiation.
- Teacher will explain the insolation.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the of variability of insolation at the earth surface.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about heating and cooling of the atmosphere.
- Teacher will explain about terrestrial radiation.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will revise the previous day work.
- The students will be explained about heat budget of the earth.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained factor controlling temperature distribution.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained about the distribution of the temperature.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 7

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-10 ATMOSPHERIC CIRCULATION AND WEATHER SYSTEM

ATMOSPHERIC CIRCULATION AND WEATHER SYSTEM -Atmospheric Pressure, Vertical variation of the pressure, Horizontal distribution of pressure, World distribution of sea level pressure, force affecting velocity and direction of wind, general circulation of the atmosphere, Air masses, Front, Extra tropical cyclone, Tropical cyclones.
Class Transaction Hrs. 10 Hrs
Pre-requisite for the course
Students should have the basic knowledge of atmosphere
Objective
To provide students the knowledge and understanding of the Atmospheric pressure, different types of wind, distribution of the pressure, different forces affecting the earth. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
Students will acquire the knowledge Atmospheric Pressure. They will understand about the Vertical variation of the pressure. They will know about the Horizontal distribution of pressure. They will understand about the World distribution of sea level pressure. They will understand about the force affecting velocity and direction of wind They will understand about general circulation of the atmosphere. They will understand about Air masses, Front, Extra tropical cyclone, Tropical cyclones.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book

Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-10 ATMOSPHERIC CIRCULATION AND WEATHER SYSTEM

Anticipatory Set: Facilitator introduces the topic Atmospheric pressure.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the atmospheric pressure.
- Teacher will explain the vertical and horizontal pressure.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know about the world distribution of sea level pressure.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about the forces affecting the velocity and direction of wind.

- Teacher will explain about frictional force, Coriolis forces.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will revise the previous day work.
- The students will be explained about general circulation of the atmosphere.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their assignment notebook.

DAY 5

- The students will be explained air masses, fronts.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained about the extra tropical cyclone, tropical cyclone.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-11, WATER IN THE ATMOSPHERE

WATER IN THE ATMOSPHERE -Evaporation and condensation, Dew, Fog, Frost, Clouds, Precipitation, Types of Rainfall, World distribution of rainfall.
Class Transaction Hrs. 4 Hrs.
Pre-requisite for the course
Students should have the basic knowledge of atmosphere
Objective
To provide students the knowledge and understanding of the evaporation and condensation and different phenomena of atmosphere. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
They will understand about the Evaporation and condensation. They will know about the Dew, Fog, Frost, Clouds, Precipitation. They will understand about the Types of Rainfall. They will understand about the force World distribution of rainfall.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i e. question bank
Resources
CBSE book

Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-11 WATER IN THE ATMOSPHERE

Anticipatory Set: Facilitator introduces the topic Atmospheric pressure.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the evaporation.
- Teacher will explain the humidity, Absolute humidity.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know about dew, Frost, Fog and Mist.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained about Clouds and types of clouds
- Teacher will explain about precipitation.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will revise the previous day work.
- The students will be explained about types of rainfall.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained world distribution of rainfall.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-12 WORLD CLIMATE AND CLIMATE CHANGE

WORLD CLIMATE AND CLIMATE CHANGE -Koeppen's scheme of classification of climate, climate change, Causes of climate change, Global warming
Class Transaction Hrs. 4 Hrs
Pre-requisite for the course
Students should have the basic knowledge of atmosphere
Objective
To provide students the knowledge and understanding different types of climate of the world. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
Koeppen's scheme of classification of climate, climate change, Causes of climate change, Global warming They will understand about the Koeppen's scheme of classification of climate. They will know about the climate change. They will understand about the Causes of climate change They will understand about the Global warming
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i.e. question bank
Resources

CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-12 WORLD CLIMATE AND CLIMATE CHANGE

Anticipatory Set: Facilitator introduces the topic world climate and climate change.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the classification of climate by Koeppen's scheme.
- Teacher will explain the different basis of the classification.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know about climate change.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the causes of climate change.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will revise the previous day work.
- The students will be explained global warming and greenhouse effect.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-13 WATER (OCEAN)

WATER (OCEAN) -Hydrological Cycle, Relief of the ocean floor, Division of the ocean floor, Temperature of ocean water, Factors affecting temperature distribution, Horizontal and Vertical distribution of temperature, Salinity of ocean water, Horizontal distribution of salinity, Vertical distribution of salinity.
Class Transaction Hrs. 10 Hrs
Pre-requisite for the course
Students should have the basic knowledge of atmosphere
Objective
To provide students the knowledge and understanding of hydrological cycle, different features and salinity of ocean. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
They will understand about the Hydrological Cycle They will know about the Relief of the ocean floor, They will understand about division of the ocean floor. They will understand about the Temperature of ocean water They will understand about the Factors affecting temperature distribution. They will know about the Horizontal and Vertical distribution of temperature. They will understand about the Salinity of ocean water. They will understand about the Horizontal distribution of salinity. They will understand about the Vertical distribution of salinit
Transaction Methodology.

Questioning: Testing what students have learned and need to be taught.
Instructional Strategy for the lesson:
PPT Tutorials i e. question bank

Resources

CBSE book
Ppt
Study material

Independent Study

Book exercise, In text questions
Assignment
Time 2 hrs.
Date of submission: One week after the completion of the chapter.
Each assignment will be evaluated on the basis of content.

Checking for Understanding

Oral Test, UT, Test series given in spiral

Addressing classroom diversity

To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH- CH-13 WATER (OCEAN)

Anticipatory Set: Facilitator introduces the topic water (ocean).

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the hydrological cycle.

- Teacher will explain the water on the earth surface, Components and processes of water cycle.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know about division of the ocean floor.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the temperature of the ocean water
- The student will be explaining the factors controlling distribution of the temperature.

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will revise the previous day work.
- The students will be explained the salinity of waters.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will revise the previous day work.
- The students will be explained the distribution of salinity of waters.

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD
 CLASS XI-LESSON PLAN
 FUNDAMENTALS OF PHYSICAL GEOGRAPHY
 CH-14 MOVEMENT OF THE OCEAN WATER

MOVEMENT OF THE OCEAN WATER -Waves, Tides, Ocean currents,
Class Transaction Hrs. 10Hrs
Pre-requisite for the course
Students should have the basic knowledge of ocean.
Objective
To provide students the knowledge and understanding movements of ocean water. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
They will understand about the waves and their characteristics. They will know about the tides and types of tides. They will understand about importance of tide. They will know about the ocean currents and types of ocean currents.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson:

PPT Tutorials i e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-14 MOVEMENT OF OCEAN WATER

Anticipatory Set: Facilitator introduces the topic movement of ocean water.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the waves.
- Teacher will explain the characteristics of waves.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know about tides.
- The student will be explained about the types of tides.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the ocean currents.
- The student will be explaining the types of oceanic currents.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-15 LIFE ON THE EARTH

LIFE ON THE EARTH – Ecology, Types of ecosystem, Structure and function of the ecosystem, The Biological cycle, The Carbon cycle, The Water cycle, The Oxygen cycle, The Nitrogen cycle, Ecological balance.
Class Transaction Hrs. 10 Hrs
Pre-requisite for the course
Students should have the basic knowledge of living and non-living things.
Objective
To provide students the knowledge and understanding Ecosystem and ecological balance. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
They will understand about the Ecology. They will know about the Types of ecosystem. They will understand about Structure and function of the ecosystem. They will know about the Carbon cycle, The Water cycle, The Oxygen cycle, The Nitrogen cycle.

They will understand about the Ecological balance.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-15 LIFE ON THE EARTH

Anticipatory Set: Facilitator introduces the topic life on the earth.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz

- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the ecology.
- Teacher will explain the types of ecosystem.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know structure and function of ecosystems.
- The student will be explained about the types of biomes.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the biogeochemical cycles.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained water cycle and carbon cycle.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained oxygen cycle and nitrogen cycle.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained ecological balance.
- The students will be explained world biomes.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-16 BIODIVERSITY AND CONSERVATION

BIODIVERSITY AND CONSERVATION – Levels of biodiversity, Importance of biodiversity, loss of biodiversity, Different species of animals, conservation of diversity.
Class Transaction Hrs. 10 Hrs
Pre-requisite for the course
Students should have the basic knowledge of Environment .
Objective

To provide students the knowledge and understanding of biodiversity and conservation. Key Competencies- Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcome
They will understand about the different levels of biodiversity. They will know about the Importance of biodiversity. They will understand about loss of biodiversity. They will know about the Different species of animals. They will understand about the conservation of diversity.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

CH-16 BIODIVERSITY AND CONSERVATION

Anticipatory Set: Facilitator introduces the topic Biodiversity and conservation.

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- Case Study
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will understand about the biodiversity.
- Teacher will explain the different levels of biodiversity.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- The student will come to know importance of biodiversity.
- The student will be explained about the reasons of loss of biodiversity.
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the different species of animals.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained conservation of biodiversity.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

INDIA: PHYSICAL ENVIRONMENT

CHAPTER 1- INDIA- LOCATION

INDIA- LOCATION: Latitudinal Extend, Geographical Area, Indian Standerd Time, India as a subcontinent,India and its Neighbouring Countries
Class Transaction Hrs
4 Hrs
Pre-requisite for the course
Students should have the basic knowledge of Indian States and its Capitals.
Objective
To provide students the knowledge of Location of India in the world its size. Key Competencies- Critical thinking and problem solving Communication

Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of the location of India. They will understand about the geographical area of India. They will know about the standard time of India. They will understand about the India as a subcontinent. They will understand about India and its neighbouring countries.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

INDIA: PHYSICAL ENVIRONMENT

CHAPTER 1- INDIA- LOCATION

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic India and its location

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz
- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the location of India.
- The students will understand the latitudinal and longitudinal extent of India.
- Teacher will explain the geographical area of India.
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- discuss the Indian standard time, local time
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained of India being a subcontinent
- Teacher will explain about Indian and its neighbouring countries.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained about the Indian states and its capitals.
- They will be made to practice of Indian states and its capitals on the political map of India

- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

INDIA: PHYSICAL ENVIRONMENT

CH-2 STRUCTURE AND PHYSIOGRAPHY

STRUCTURE AND PHYSIOGRAPHY-Geological division of India, Physiography of India, Physiographic division of India
Class Transaction Hrs
08 Hrs
Pre-requisite for the course
Students should have the basic knowledge of India and its location in the world.
Objective
To provide students the knowledge and understanding of the Geological and Physiological division of India. Key Competencies- Critical thinking and problem solving Communication

Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of Endogenic and Exogenic forces of the earth. They will understand about the geological division of India. They will know about the physiographic division of India.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding

Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

INDIA : PHYSICAL ENVIRONMENT

CH-2 STRUCTURE AND PHYSIOGRAPHY

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Structure and Physiography

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment

- Quiz

- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be explained exogenic and endogenic forces of India.
- Teacher will be explained about the geological regions
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- Discuss the various geological regions of India such as Peninsular block, The Himalayas and other Peninsular mountains, Indo-Ganga-Brahmaputra plain
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

They will prepare the spectral graph for practice.

DAY 3

- The students will be explained about the physiography of India,.
- Teacher will explain North and North Eastern mountains
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained about division of the North and Northeastern mountains.
- They will study about Kashmir or North-western Himalayas.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained Darjiling and Sikkim Himalayas, Arunachal Himalayas and Eastern hills and mountains.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained about the Northern plains.

- The students will be explained about the different features of the Northern plains such as Bhabar, Tarai, Bhangar and Khadar
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 7

- The students will be explained the Peninsular plateau.
- They will understand the prominent relief features of Peninsular plateau such as the Deccan plateau, Central highland, Northeastern plateau.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 8

- The students will be explained about the Indian Desert
- They will understand climate,vegetation and different features of the desert
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 9

- The students will be explained Coastal Plains
- They will understand the two broad divisions of the Coastal Plains such as the Eastern Coastal Plains and the Western Coastal Plains.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 10

- The students will be explained about the islands
- They will understand about the Lakshadweep and Andaman and Nicobar islands
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI-LESSON PLAN

INDIA : PHYSICAL ENVIRONMENT

CH-3 DRAINAGE SYSTEM

DRAINAGE SYSTEM -Drainage Basin, Different Drainage Patterns, Drainage System Of India: The Himalayan Drainage, The Peninsular Drainage system.
Class Transaction Hrs
06 Hrs
Pre-requisite for the course
Students should have the basic knowledge of major river system of India.
Objective
To provide students the knowledge and understanding of River system of India. Key Competencies - Critical thinking and problem solving Communication Creativity and innovation Citizenship Collaboration
Learning Outcomes
Students will acquire the knowledge of Drainage basin. They will understand about the important Drainage pattern.

They will know about the river system of Himalyan Drainage. They will understand about the Indus system, The Ganga system and The Bramhaputra system. They will understand about the Peninsular system of India. They will understand about smaller rivers flowing towards the West and East.
Transaction Methodology
Questioning: Testing what students have learned and need to be taught. Instructional Strategy for the lesson: PPT Tutorials i. e. question bank
Resources
CBSE book Ppt Study material
Independent Study
Book exercise, In text questions Assignment Time 2 hrs. Date of submission: One week after the completion of the chapter. Each assignment will be evaluated on the basis of content.
Checking for Understanding
Oral Test, UT, Test series given in spiral
Addressing classroom diversity
To solve problems based on concepts and ask students to do the application based problems, ex- reasons, examples, case studies, map work

DELHI PUBLIC SCHOOL GHAZIABAD

CLASS XI LESSON PLAN

INDIA : PHYSICAL ENVIRONMENT

CH-3 DRAINAGE SYSTEM

(Based on DOL)

Anticipatory Set: Facilitator introduces the topic Drainage system

Objective:

- To make students able to solve questions based on the topics to be discussed
- They will be able to track the growth of subject.

Techniques to be used:

- Peer Assessment
- Quiz

- PPT

Materials required and Teaching Aids: Smart Class Modules, blackboard, chalk, duster, Text book

Strategy

Student – teacher interaction, collaborative learning, independent practice

DAY 1

- The students will be shown a PPT and will be made aware of the basics of Drainage system
- The students will understand about drainage basin, catchment area and different drainage pattern
- The students would be given practice on simple questions.

GUIDED PRACTICE

The students will solve selected questions from book in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions in assignment copy

DAY 2

- The students will revise the previous day work.
- Discuss the Himalyan Drainage system.
- The students will be explained about the evolution of Himalyan drainage
- Questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the leftover questions of exercise in their Assignment notebook.

DAY 3

- The students will be explained the Indus river system
- Teacher will explain the tributaries of the river Indus.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 4

- The students will be explained The Ganga river system.
- Teacher will explain the tributaries of the river Ganga.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 5

- The students will be explained the Brahmaputra river system.
- They will study about the tributaries of The Brahmaputra.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 6

- The students will be explained the Peninsular drainage system
- They will understand the evolution of Peninsular drainage system and river system peninsular drainage.
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 7

- The students will be explained about the river flowing towards the west from Peninsular plateau.
- The students will be explained about the river flowing towards the east from Peninsular plateau
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their assignment notebook.

DAY 8

- The students will be explained River Regimes
- They will understand the comparison between Himalyan and Peninsular drainage system..
- The exercise would be undertaken, questions from book will be discussed along with the discussion of solved examples given.

GUIDED PRACTICE

The students will solve selected questions from book of exercise in their notebook in the class with the help of their teacher.

Key competencies- critical thinking through brain storming on the development of the subject.

Communication with the help of group and class discussion.

Citizenship with the help of global aspect of the subject.

Creative skills with the help of map work.

SUMMARIZE AND CHECK FOR UNDERSTANDING

Some questions will be asked based on the day's teaching and doubts will be cleared.

INDEPENDENT PRACTICE – Students will do the left over questions of exercise in their as

