



Earthoholic Academy

A Journey to Excellence.



COMBO COURSE

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CSIR EARTH SCIENCE COMPLETE COURSE & TEST SERIES

**CSIR NET-JRF
PREVIOUS YEARS
QUESTION PAPERS**



**COMPLETE
SOLUTION**



COUPON

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- AIR rank 1 personal handwritten notes for Gate/Net/GSI/Jam & other Exams
- All Standard books are summarized in PDF & PPT
- Solved Numerical
- Last minute notes
- Hand Written Mind maps & Chart
- Formula List
- Topic Wise PPT & PDF from foreign university, CSIR, MOES & IIT's
- All imp. Diagrams, Graphs, Plots tables covered for quick revision
- Brief notes of all topics
- Prepared by top faculties & reviewed by toppers
- Result oriented study material

OCEAN, ATMOSPHERE & PLANETARY

- NEW 6500+ QUES. WITH EXPLANATION
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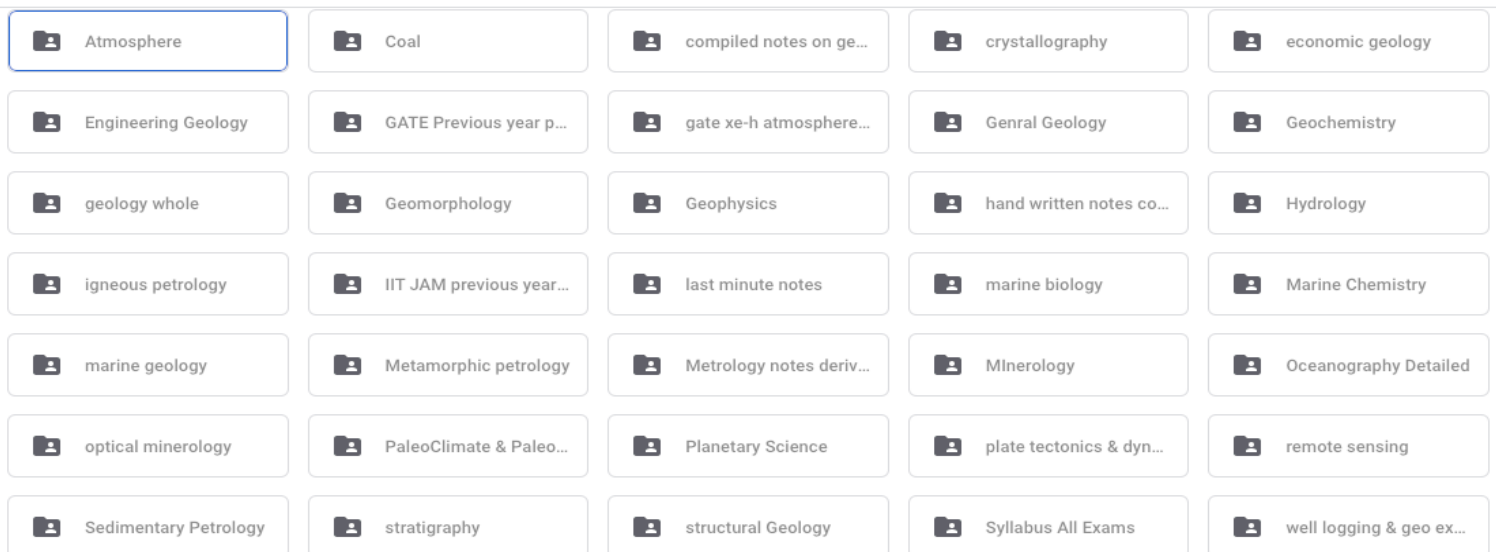
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Offer valid for 1st 100 students only

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My Drive > STUDY MATERIAL



Link for study matrial course- <https://youtu.be/LNjdb-8jQDo>

COMBO COURSE CONTENT

1. OCEANOGRAPHY (TOPIC WISE)

Curriculum	Instructor	Reviews
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Numerical Section

Oceanography	SOLVED NUMERICALS	🔒
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Practice Paper

Quizzes Section

Ocean Waves	60 questions	🔒	
Tides	48 questions	01 hour 30 min	🔒
Marine biology	352 questions	🔒	
Marine Chemistry	50 questions	01 hour 15 min	🔒
Paleoceanography	20 questions	30 min	🔒
Cryosphere	10 questions	15 min	🔒
Ocean Atmosphere Coupling	49 questions	01 hour 15 min	🔒

Thermohaline Circulation	16 questions	30 min	🔒
Ocean Oscillation & Circulation	100 questions	🔒	
Oceanic Waves & Geophysical Fluid Dynamics	50 questions	01 hour 15 min	🔒
Coastal Processes	19 questions	30 min	🔒
Miscellaneous	137 questions	🔒	
ENSO	27 questions	40 min	🔒
Ocean Current	50 questions	01 hour	🔒

Mock Test Paper

Quizzes Section

Mock Test Paper 1	50 questions	01 hour 15 min	🔒
Mock Test Paper 2	50 questions	01 hour 15 min	🔒
Mock Test Paper 3	50 questions	01 hour 15 min	🔒
Mock Test Paper 4	50 questions	01 hour 15 min	🔒
Mock Test Paper 5	50 questions	01 hour 15 min	🔒
Mock Test Paper 6	50 questions	01 hour 15 min	🔒
Mock Test Paper 7	50 questions	01 hour 15 min	🔒
Mock Test Paper 8	50 questions	01 hour 15 min	🔒
Mock Test Paper 9	50 questions	01 hour 15 min	🔒

~~₹2,500.00~~ ₹2,000.00

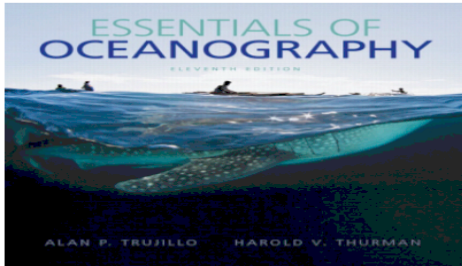
Add To Cart

Topic-Wise Practice Paper (with Explanation)

Mixed Question Mock Test Paper (with Explanation)

2. Essentials of oceanography

Book by Turjilo (Entire book turned into M.C.Q)



Earthholicacademy

Essentials of Oceanography by Trujillo

🕒 52 Weeks 📶 All Levels 📖 0 Lesson 🏆 15 Quizzes 👤 24 Students

₹2,000.00 **₹1,500.00**



View More

🔍 Introduction to Planet Earth	50 questions	01 hour 30 min	✓
🔍 Plate Tectonics & the Ocean Floor	29 questions	01 hour	✓
🔍 Marine Provinces	52 questions		✓
🔍 Marine Sediments	80 questions		✓
🔍 Water and Seawater	79 questions		✓
🔍 Air-Sea Interactions	63 questions		✓
🔍 Ocean Circulation	98 questions		✓
🔍 Waves and Water Dynamics	80 questions		✓
🔍 Tides	82 questions		✓
🔍 The Coast: Beaches and Shoreline processes	90 questions		✓
🔍 The Coastal Ocean	50 questions		✓
🔍 Biological Productivity and Energy Transfer	41 questions	01 hour	✓
🔍 Animals of the Pelagic Environment	65 questions	01 hour 30 min	✗
🔍 Animals of the Benthic Environment	60 questions	01 hour 30 min	✓
🔍 The Oceans and the Climate Change	52 questions		✓

Continue

You started on: June 13, 2021

Course will end: June 12, 2022

Lessons completed: 0/0

Quizzes finished: 1/15

Course progress: 0%

Chapter-wise MCQ (Explanation)



3. Atmospheric Science (Topic-Wise)

Numerical Section

Atmospheric

100+ Solved Numerical



Practice Paper

Quizzes Section

Introduction to Meteorology Section	30 questions	45 min	🔒
Severe Weather Section	10 questions	15 min	🔒
Climatology Section	30 questions	45 min	🔒
Forecasting section	60 questions		🔒
Satellite and Radar	20 questions	30 min	🔒
Miscellaneous meteorology	30 questions	45 min	🔒
Weather Analysis Quiz	61 questions		🔒
Clouds Quiz	20 questions	30 min	🔒
Mesoscale	20 questions	30 min	🔒
Weather Estimation Using Remote Sensing	40 questions	01 hour	🔒
Skew-T Quiz	20 questions	30 min	🔒
Synoptic Quiz	20 questions	30 min	🔒
Thermo Quiz	20 questions	30 min	🔒
Air Mass	20 questions	30 min	🔒
Paleoclimate	20 questions	30 min	🔒
Climate Change	60 questions		🔒
Miscellaneous	61 questions		🔒
Indian Monsoon	72 questions	01 hour 50 min	🔒
Ozone	21 questions	25 min	🔒
Jet streams	20 questions	30 min	🔒
Environmental Earth Science	31 questions	01 hour	🔒
Remote Sensing	62 questions		🔒

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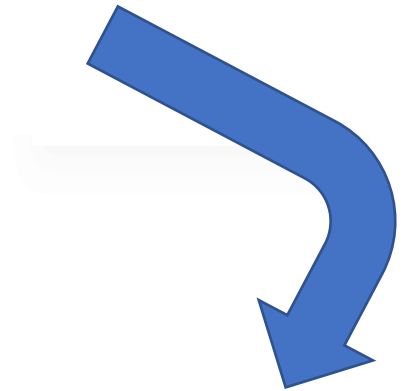
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Topic- Wise Practice Paper
(with explanation)



Mocktest Paper
Quizzes Section

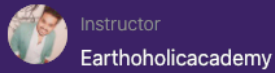
Mocktest Paper 1	100 questions	02 hour 30 min	🔒
Mocktest Paper 2	100 questions	02 hour 30 min	🔒
Mocktest Paper 3	100 questions	02 hour 30 min	🔒
Mocktest Paper 4	99 questions	02 hour 30 min	🔒
Mocktest Paper 5	100 questions	02 hour 30 min	🔒
Mock Test Paper 6	100 questions	02 hour 30 min	🔒
Mock Test Paper 7	100 questions	02 hour 30 min	🔒
Mock Test Paper 8	100 questions	02 hour 30 min	🔒



Mixed Questions – Mock Test Paper (Total 800 Questions)

4.The Atmosphere: An Introduction to Meteorology

Book by Edward J. Tarbuck and Frederick K. Lutgens



Category
Uncategorized

★★★★★
Review

The Atmosphere – An Introduction to Meteorology by TARBUCK

52 Weeks | All Levels | 0 Lesson | 16 Quizzes | 24 Students



Chapter Wise Practice Paper

Quizzes Section

Introduction to the Atmosphere	50 questions	🔒
Heating Earth's Surface and Atmosphere	125 questions	03 hour 🔒
Temperature	110 questions	02 hour 30 min 🔒
Moisture and Atmospheric Stability	164 questions	03 hour 🔒
Forms of Condensation and Precipitation	100 questions	02 hour 🔒
Air Pressure and Winds	112 questions	02 hour 🔒
Circulation of the Atmosphere	135 questions	02 hour 🔒
Air Masses	50 questions	01 hour 🔒
Midlatitude Cyclones	85 questions	02 hour 🔒
Thunderstorms and Tornadoes	56 questions	01 hour 30 min 🔒
Hurricanes	40 questions	01 hour 🔒
Weather Analysis and Forecast	45 questions	01 hour 🔒
Air Pollution	40 questions	01 hour 🔒
The Changing Climate	50 questions	🔒
World Climates	33 questions	01 hour 🔒
Optical Phenomena of the Atmosphere	40 questions	🔒



₹2,000.00 **₹1,500.00**

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All Chapters Covered
(with Explananation)



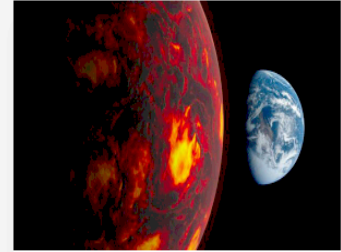
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Planetary Science

Numerical Section

Planetary

Solved Numerical



Practice Paper

Quizzes Section

Quiz 1

50 questions

01 hour 15 min

Quiz 2

50 questions

01 hour 15 min

Quiz 3

50 questions

01 hour 15 min

Quiz 4

50 questions

01 hour 15 min

Quiz 5

50 questions

01 hour 15 min

Quiz 6

50 questions

01 hour 15 min

Quiz 7

50 questions

01 hour 15 min

Quiz 8

50 questions

01 hour 15 min

Quiz 9

50 questions

01 hour 15 min

Quiz 10

50 questions

01 hour 15 min

Quiz 11

50 questions

01 hour 15 min

Miscellaneous

22 questions

30 min

₹2,000.00 ₹1,500.00

Add To Cart

Practice Paper
(with Explanation)

Mock Test Paper

Quizzes Section

Mock Test Paper 1

50 questions

01 hour 15 min

Mock Test Paper 2

50 questions

01 hour 15 min

Mock Test Paper 3

50 questions

01 hour 15 min

Mock Test Paper 4

50 questions

01 hour 15 min

Mock Test Paper 5

50 questions

01 hour 15 min

Mock Test Paper 6

50 questions

01 hour 15 min

Mock Test Paper 7

50 questions


01 hour 15 min

Mock Test Papers
(with explanation)

Link for Ocean, Atmosphere & Planetary Science course- <https://youtu.be/KjXm9-2vHnA>
Link for Turjilo & Tarbuck Book course- <https://youtu.be/pIFonJwN66E>

Some Samples

Atmospheric Science

17 of 31 items 

Weather Estimation Using Remote Sensing

Question 2 of 40

00:59:25


FINISH QUIZ

2. The ability of radar to detect wind motions within thunderstorm clouds is due to _____ technology.

- Satellite
- Reflectivity
- Cell phone
- Doppler

< 1 2 3 ... 40 >

Atmospheric Science

16 of 31 items 

Paleoclimate

Question 1 of 20

29:34

FINISH QUIZ

1. The fractionation of different isotopes of oxygen and their measurement in sediment cores has shown scientists that:

- ice ages are common and lasted for hundreds of millions of years
- temperatures like today have been common during most of the earth's history
- there have been fairly rapid changes from interglacial periods to ice ages over the last million years
- climate has been very stable over the past million years

1 2 ... 20 >

Que → find the Potential temperature for air at $z = 500$ m (height) with $T = 10^\circ\text{C}$

Solution -

Given = $z = 500$ m (height)
 $T = 10^\circ\text{C}$ (actual temp.)
 $\Theta = ?^\circ\text{C}$ (Potential temp.)

Assume no liquid water
 \rightarrow constant = $9.8 \frac{^\circ\text{C}}{\text{km}}$

$$\Theta(z) = T(z) + \Gamma_d \cdot z$$

$$\Theta = (10^\circ\text{C}) + (9.8 \frac{^\circ\text{C}}{\text{km}}) \cdot (0.5)$$

$$= 14.9^\circ\text{C}$$

Point to be noted

This is the T that air would have when lowered dry adiabatic to surface. Θ is always greater than actual temp T for z above the reference level.

Que - for an inertial ocean current of 5 m/s, find the radius of curvature & time period to complete one circuit. Assume a latitude where $f_c = 10^{-4} \text{ s}^{-1}$

Given $M_i = 5$ m/s
 $f_c = 10^{-4} \text{ s}^{-1}$

find $R = ?$ km $P = ?$ h

$$R = -\frac{M_i}{f_c}$$

Intertial wind coasts ground a circular path of radius R

where M_i - inertial wind speed
 f_c - Coriolis parameter

$$R = \frac{-5 \text{ m/s}}{(10^{-4} \text{ s}^{-1})} = -50 \text{ km}$$

$$P = \frac{2\pi}{f_c} = 62832 \text{ s} = 17.45 \text{ h}$$

Essentials of Oceanography by Trujillo

6 of 15 items

98.08%
80%

Passed ✓

Time spend	00:28:40
Point	51 / 52
Questions	52
Correct	51
Wrong	1
Skipped	0

Feedback

Prev Next

CSIR NET-JRF PREVIOUS YEARS QUESTION PAPERS



COMPLETE SOLUTION



Instruction

1. Use Question no. for (2014 June to 2019 June) papers & Question Id For (2019 December to 2022 June) papers.
2. Insert **last three digit** of **Question ID** only.

Get Answers (2014-2022)

Enter Question Number/ Question ID

Enter Month

Enter Year

Submit

Question Number	Year	Month	Answer	Explanation	Image for explanation
96	2018	June	4	K type curve signifies resistivity of 1st profile < resistivity of 2nd profile > resistivity of 3rd profile. option 4 is correct as layer 1 laterite has lower resistivity than layer 2 compact basalt. and layer 3 water saturated fractured basalt has lower resistivity than compact basalt. 1) Resistivity surveys are conducted in two modes as, sounding and profiling. Sounding is used to get the depth of information at a particular point. 2) During resistivity profiling, the point of location is changed to get a picture of resistivity variation spatially in a linear fashion. This survey yields a K type curve. 3) The sequence of geological formations, from top to bottom, that best explains the curve could be laterite, compact basalt, water saturated fractured basalt.	

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- 30000+ Question- Answers
- Short notes
- Solved Numericals
- Formulas with Explanation
- Previous year Solved
- Practice & Mock Papers

How I got AIR -5 (154 marks)



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