

National Testing Agency

Question Paper Name :	Physical Geography Climatology and Oceanography 29th August 2021 Shift 1
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Physical Geography Climatology and Oceanography

Group Number :	1
Group Id :	603489276
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Physical Geography Climatology and Oceanography-1

Section Id :	603489406
Section Number :	1
Section type :	Online

Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	603489735
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 60348919368 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The average weather conditions in given place over longer period of time are called

1. Season
2. Atmosphere
3. Weather
4. Climate

Options :

60348972785. 1

60348972786. 2

60348972787. 3

60348972788. 4

Question Number : 2 Question Id : 60348919369 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What is the lowest layer of the atmosphere?

1. The mesosphere
2. The troposphere
3. The thermosphere
4. The stratosphere

Options :

60348972789. 1

60348972790. 2

60348972791. 3

60348972792. 4

Question Number : 3 Question Id : 60348919370 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The study of plants and animal life and their distribution.

1. Physical geography
2. Human geography
3. Lithosphere
4. Bio geography

Options :

60348972793. 1

60348972794. 2

60348972795. 3

60348972796. 4

Question Number : 4 Question Id : 60348919371 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Horse latitudes lie within

1. Polar high
2. Equatorial low
3. Subtropical high
4. Subpolar low

Options :

60348972797. 1

60348972798. 2

60348972799. 3

60348972800. 4

Question Number : 5 Question Id : 60348919372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Continuous recording of air pressure is done by

1. Hygograph
2. Seismograph
3. Thermograph
4. Barograph

Options :

60348972801. 1

60348972802. 2

60348972803. 3

60348972804. 4

Question Number : 6 Question Id : 60348919373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The highest annual range of temperature was recorded at___

1. Paris
2. Ganganagar
3. Verkhoyansk
4. North Pole

Options :

60348972805. 1

60348972806. 2

60348972807. 3

60348972808. 4

Question Number : 7 Question Id : 60348919374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The upper boundary of the stratosphere is called

1. Tropopause
2. Thermosphere
3. Stratopause
4. Stratosphere

Options :

60348972809. 1

60348972810. 2

60348972811. 3

60348972812. 4

Question Number : 8 Question Id : 60348919375 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Life forms on the Earth such as plants and animals make up sphere known as the_____

1. Biosphere
2. Hydrosphere
3. Lithosphere
4. Atmosphere

Options :

60348972813. 1

60348972814. 2

60348972815. 3

60348972816. 4

Question Number : 9 Question Id : 60348919376 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which one of the following statements relates to weather rather than climate?

1. The Polar region has lower temperature.
2. Yesterday was a cloudy and rainy day.
3. The warmest month of the region is May.
4. South India has tropical climate.

Options :

60348972817. 1

60348972818. 2

60348972819. 3

60348972820. 4

Question Number : 10 Question Id : 60348919377 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Major Composition of the atmosphere is

1. Oxygen.
2. Carbon Oxide.
3. Nitrogen
4. Hydrogen.

Options :

60348972821. 1

60348972822. 2

60348972823. 3

60348972824. 4

Question Number : 11 Question Id : 60348919378 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The atmospheric layer that reflects radio waves is called

1. Chemosphere
2. Ionosphere
3. Stratosphere
4. Ozonosphere

Options :

60348972825. 1

60348972826. 2

60348972827. 3

60348972828. 4

Question Number : 12 Question Id : 60348919379 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In troposphere temperature

1. Decreases with height.
2. Increases with height.
3. Increases at the rate of 1°C per 100 mts of ascent.
4. None of these

Options :

60348972829. 1

60348972830. 2

60348972831. 3

60348972832. 4

Question Number : 13 Question Id : 60348919380 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The correct sequence of highest to lowest volume of atmospheric gases as expressed in percentage is

1. Oxygen, Carbon Dioxide, Nitrogen, Hydrogen
2. Carbon Dioxide, Oxygen, Nitrogen, Hydrogen
3. Hydrogen, Nitrogen, Carbon Dioxide, Oxygen
4. Nitrogen, Oxygen, Carbon Dioxide, Hydrogen

Options :

60348972833. 1

60348972834. 2

60348972835. 3

60348972836. 4

Question Number : 14 Question Id : 60348919381 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Pressure conditions are shown on the map by:

1. Isotherms
2. Isobars
3. Isohyets
4. Isobaths

Options :

60348972837. 1

60348972838. 2

60348972839. 3

60348972840. 4

Question Number : 15 Question Id : 60348919382 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

On December 22nd, the sun shines vertically overhead the

1. Equator
2. Tropic of Cancer
3. Tropics
4. Tropic of Capricorn

Options :

60348972841. 1

60348972842. 2

60348972843. 3

60348972844. 4

Question Number : 16 Question Id : 60348919383 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which is the hottest layer of the atmosphere?

1. The Troposphere
2. The Stratosphere
3. The Mesosphere
4. The Thermosphere

Options :

60348972845. 1

60348972846. 2

60348972847. 3

60348972848. 4

Question Number : 17 Question Id : 60348919384 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The process of the transfer of heat through up and down movement is called

1. Radiation
2. Conduction
3. Diffusion
4. Convection

Options :

60348972849. 1

60348972850. 2

60348972851. 3

60348972852. 4

Question Number : 18 Question Id : 60348919385 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The speed of a molecule is also called as _____.

1. Thermal energy
2. Solar energy
3. Kinetic energy
4. Wind energy

Options :

60348972853. 1

60348972854. 2

60348972855. 3

60348972856. 4

Question Number : 19 Question Id : 60348919386 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In which of the following processes of heat transfer no medium is required?

1. Conduction
2. Convection
3. Radiation
4. All of these

Options :

60348972857. 1

60348972858. 2

60348972859. 3

60348972860. 4

Question Number : 20 Question Id : 60348919387 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In the Western Australia, tropical cyclone is also known as

1. Hurricane.
2. Typhoons.
3. Monsoon.
4. Willy-Willies.

Options :

60348972861. 1

60348972862. 2

60348972863. 3

60348972864. 4

Question Number : 21 Question Id : 60348919388 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The force exerted by the rotation of the earth is known as

1. Atmospheric pressure
2. Equal pressure
3. Coriolis force
4. Water Pressure

Options :

60348972865. 1

60348972866. 2

60348972867. 3

60348972868. 4

Question Number : 22 Question Id : 60348919389 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Monsoon is/ are:

1. Local wind
2. Permanent wind
3. Planetary winds
4. Seasonal wind

Options :

60348972869. 1

60348972870. 2

60348972871. 3

60348972872. 4

Question Number : 23 Question Id : 60348919390 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Polar continental air masses have their source region

1. In the central part of high latitude continents
2. Over the oceans in the higher latitudes
3. In the subtropical high pressure land areas
4. In Mid Atlantic Ocean

Options :

60348972873. 1

60348972874. 2

60348972875. 3

60348972876. 4

Question Number : 24 Question Id : 60348919391 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Air mass with warmer temperature than the underlying surface is called

1. Mixed air mass
2. Warm air mass
3. Cold air mass
4. None of these

Options :

60348972877. 1

60348972878. 2

60348972879. 3

60348972880. 4

Question Number : 25 Question Id : 60348919392 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The tropical cyclones does not occur closer to the equator because of

1. Weak Coriolis force
2. Light and variable wind
3. Excessive humidity
4. Convective activity

Options :

60348972881. 1

60348972882. 2

60348972883. 3

60348972884. 4

Question Number : 26 Question Id : 60348919393 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a form of precipitation?

1. Rain
2. Snow
3. Sleet
4. Dew

Options :

60348972885. 1

60348972886. 2

60348972887. 3

60348972888. 4

Question Number : 27 Question Id : 60348919394 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What causes high pressure in the sub-tropical zone?

1. Low temperature
2. High rainfall
3. Ascending of air
4. Descending of air.

Options :

60348972889. 1

60348972890. 2

60348972891. 3

60348972892. 4

Question Number : 28 Question Id : 60348919395 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Steady winds blowing on the sea surface produce a thin, horizontal boundary layer called _____

1. Ekman Layer
2. Langmuir circulation
3. Geostrophic currents
4. Vorticity

Options :

60348972893. 1

60348972894. 2

60348972895. 3

60348972896. 4

Question Number : 29 Question Id : 60348919396 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Planet earth is about ____ years old.

1. 6.6 billion
2. 5.6 billion
3. 4.6 billion
4. 3.6 billion

Options :

60348972897. 1

60348972898. 2

60348972899. 3

60348972900. 4

Question Number : 30 Question Id : 60348919397 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

_____ developed the Theory of Continental Drift.

1. Alfred Wegener
2. Immanuel Kant
3. Harry Hess
4. Frederick Vine

Options :

60348972901. 1

60348972902. 2

60348972903. 3

60348972904. 4

Question Number : 31 Question Id : 60348919398 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The steep sided and V-shaped valleys with tributaries seen on the ocean floor are called as

1. Rift valleys
2. Trenches
3. Submarine canyons
4. Mid ocean ridges

Options :

60348972905. 1

60348972906. 2

60348972907. 3

60348972908. 4

Question Number : 32 Question Id : 60348919399 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What is the correct sequence of features on the sea floor starting from the coast to greater depths?

- A. Continental shelf
- B. Continental slope
- C. Continental rise
- D. Abyssal plain

Choose the **correct** answer from the options given below

1. A, B, C, D
2. D, C, B, A
3. B, C, D, A
4. C, B, A, D

Options :

60348972909. 1

60348972910. 2

60348972911. 3

60348972912. 4

Question Number : 33 Question Id : 60348919400 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Murray ridge is in

1. The Atlantic Ocean
2. The Pacific Ocean
3. The Arabian Sea
4. The Antarctica Ocean

Options :

60348972913. 1

60348972914. 2

60348972915. 3

60348972916. 4

Question Number : 34 Question Id : 60348919401 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

An extension of the land into the ocean surface is called.

1. Continental rise
2. Continental slope
3. Continental shelf
4. Continental break

Options :

60348972917. 1

60348972918. 2

60348972919. 3

60348972920. 4

Question Number : 35 Question Id : 60348919402 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The deepest part of the ocean is called as?

1. Trenches
2. Ridges
3. Abyssal plains
4. Continental margins

Options :

60348972921. 1

60348972922. 2

60348972923. 3

60348972924. 4

Question Number : 36 Question Id : 60348919403 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The type of wind that blows throughout the year is called as

1. Prevailing Winds
2. Maritime Winds
3. Continental Winds
4. Convectional Winds

Options :

60348972925. 1

60348972926. 2

60348972927. 3

60348972928. 4

Question Number : 37 Question Id : 60348919404 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In the ocean, the zone of rapidly changing density is called as____

1. Thermocline
2. Halocline
3. Isohaline
4. Pycnocline

Options :

60348972929. 1

60348972930. 2

60348972931. 3

60348972932. 4

Question Number : 38 Question Id : 60348919405 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The density of seawater is a combination of _____ and _____

1. Salinity and pressure
2. Pressure and temperature
3. Temperature and Salinity
4. Pressure and wind

Options :

60348972933. 1

60348972934. 2

60348972935. 3

60348972936. 4

Question Number : 39 Question Id : 60348919406 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Ocean currents move on the basis.

1. Area of the sea
2. Slope of the sea floor
3. Temperature and Density
4. Deep water

Options :

60348972937. 1

60348972938. 2

60348972939. 3

60348972940. 4

Question Number : 40 Question Id : 60348919407 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The mechanism that brings the cold, nutrient-rich water from the depths of the sea to the surface is called as

1. Upwelling
2. Downwelling
3. Ekman Flow
4. Ekman Transport

Options :

60348972941. 1

60348972942. 2

60348972943. 3

60348972944. 4

Question Number : 41 Question Id : 60348919408 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which one of the following is an Indian ocean current?

1. Benguela Currents
2. Agulhas Current
3. Labrador Currents
4. Kuroshio Currents

Options :

60348972945. 1

60348972946. 2

60348972947. 3

60348972948. 4

Question Number : 42 Question Id : 60348919409 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is true?

1. Coral reefs grow in shallow tropical water.
2. Coral reefs are found in all the world's oceans.
3. Coral reefs can grow in fresh and salt water.
4. Coral reefs are built up from ocean sediments.

Options :

60348972949. 1

60348972950. 2

60348972951. 3

60348972952. 4

Question Number : 43 Question Id : 60348919410 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

_____ is the largest ocean in the world.

1. The Pacific Ocean
2. The Atlantic Ocean
3. The Indian Ocean
4. The Arctic Ocean

Options :

60348972953. 1

60348972954. 2

60348972955. 3

60348972956. 4

Question Number : 44 Question Id : 60348919411 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The amount of water vapor in the air is called as

1. Wind
2. Precipitation
3. Humidity
4. Temperature

Options :

60348972957. 1

60348972958. 2

60348972959. 3

60348972960. 4

Question Number : 45 Question Id : 60348919412 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What is the correct sequence of the following oceans in descending order of their areas?

A. Indian Ocean

B. Arctic Ocean

C. Atlantic Ocean

D. Pacific Ocean

Choose the **correct** answer from the options given below

1. A, B, C, D

2. B, C, A, D

3. D, C, B, A

4. D, C, A, B

Options :

60348972961. 1

60348972962. 2

60348972963. 3

60348972964. 4

Question Number : 46 Question Id : 60348919413 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which wind blow most of the year in India?

1. North East Trade Winds

2. South West Winds

3. Westerlies

4. South East Trade Winds

Options :

60348972965. 1

60348972966. 2

60348972967. 3

60348972968. 4

Question Number : 47 Question Id : 60348919414 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which one of the following ocean currents is found in Japan?

1. Oyashio Current
2. West wind drift
3. Gulf Stream
4. Canaries Current

Options :

60348972969. 1

60348972970. 2

60348972971. 3

60348972972. 4

Question Number : 48 Question Id : 60348919415 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The land material deposits found in the oceans are called as?

1. Wind Deposits
2. Terrigenous Deposits
3. Wave Deposits
4. Tides Deposits

Options :

60348972973. 1

60348972974. 2

60348972975. 3

60348972976. 4

Question Number : 49 Question Id : 60348919416 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following consists of all types of coral reef?

1. Fringing, barrier, cay.
2. Atoll, cay, fringing.
3. Fringing, barrier, atoll.
4. Atoll, barrier, cay.

Options :

60348972977. 1

60348972978. 2

60348972979. 3

60348972980. 4

Question Number : 50 Question Id : 60348919417 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The vertical temperature in the ocean ____with depth.

1. Increases
2. Decreases
3. Constants
4. None of these

Options :

60348972981. 1

60348972982. 2

60348972983. 3

60348972984. 4