



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(Ag)-Hons-2022

Course Name – Introductory Agro-meteorology & Climate Change

Course Code - CC-BAG477(T)

(Semester IV)

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Choose the correct answer: the gaseous portion of the earth is called
 - a) lithosphere
 - b) Hydrosphere
 - c) Atmosphere
 - d) Biosphere
- (ii) Choose the correct answer: name of the living portion of the earth
 - a) Lithosphere
 - b) Hydrosphere
 - c) Atmosphere
 - d) Biosphere
- (iii) Choose the correct answer: the head quarter of india metrological department (IMD) is situated at
 - a) Bombay
 - b) Pune
 - c) Chennai
 - d) New delhi
- (iv) Show the correct answer:The world meteorological organization (WMO) day fall on _____
 - a) 23rd march
 - b) 21st june
 - c) 21st march
 - d) 23rd december
- (v) Infer among the following that is the study of totality of weather?
 - a) Meteorology
 - b) Phenology
 - c) Climatology
 - d) Hydrology
- (vi) Infer the name of instantaneous physical state of atmosphere?
 - a) Weather
 - b) Meteorology
 - c) Climate
 - d) Climatology
- (vii) Show the correct answer:Global mean temperature has increased by _____
 - a) 0.5 degree celcius
 - b) 1.5 degree celcius
 - c) 1.0 degree celcius
 - d) 1.8 degree celcius
- (viii) Choose the correct answer: The study of upper part of atmosphere above 35km is known as _____
 - a) Hydrology
 - b) Meteorology

- c) Climatology
 (ix) Choose the correct answer: solid parts of the earth is called
 a) lithosphere
 c) Atmosphere
 (x) Choose the correct answer: the world meteorological organization (WMO) is located at
 a) London
 c) Geneva
 (xi) Show the correct answer: The day to day physical state of atmosphere is called _____
 a) Macro-climate
 c) Bio-climate
 (xii) Infer the name of father of agricultural meteorology of India?
 a) Dr.B. Subhramanayan
 c) Dr.L.A. Ramdas
 (xiii) Choose the correct answer: The father of agricultural climatology
 a) K.L.penman
 c) Dr.L.A. Ramdas
 (xiv) Select the gas that constitutes 21% of total volume of the atmosphere?
 a) Carbondioxide
 c) oxygen
 (xv) Choose the correct answer: The major constraint in dry land agriculture is
 a) High solar radiation
 c) Rainfall variability
 (xvi) Infer the type of surface that has the lowest albedo?
 a) Soil
 c) Vegetation
 (xvii) Choose the correct answer: Classification of climate is given by
 a) De-candol
 c) Troll
 (xviii) Infer the origin of the world monsoon?
 a) Indian origin
 c) Arabic
 (xix) Select the correct option: wind vane is used to measure
 a) Wind speed
 c) Wind direction
 (xx) Infer the correct answer: Rain is measured by _____
 a) Rain gauge
 c) Dew gauge

d) Aeronomy

b) Hydrosphere

d) Biosphere

b) Italy

d) New delhi

b) Climate

d) Weather

b) Dr.H.S. Mavi

d) Dr. Swaminathan

b) Koppen

d) Dr.H.S Mavi

b) ozone

d) Nitrogen

b) High wind speed

d) Low relative humidity

b) Water

d) Fresh snow

b) Koppen

d) All of these

b) Latin american origin

d) Indo-malayan origin

b) Wind pressure

d) All of these

b) Altimeter

d) Odometer

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. Classify the plants based on light intensity (2.5)
3. Functions of monochrometer in the instrumental methods of analyses (2.5)
4. List out different weather elements you have studied and write briefly about any one (2.5)
5. Discuss briefly about the pressure system of the world (2.5)
6. Prepared a short note on drought (2.5)
7. Prepared a short note on weather forecasting (2.5)
8. Compare between weather and climate. (2.5)
9. Explain the term weather. (2.5)
10. Explain the term climate. (2.5)
11. Discuss about the variation of atmospheric pressure (2.5)

OR

Discuss about the effect of wind on crop

(2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Discuss briefly about Soil temperature.

(5)

OR

Discuss about the different atmospheric layers with a suitable diagramme

(5)
