

2023

AGS 4th Semester Examination

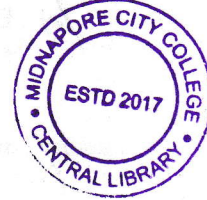
B.Sc. Hons. in Agriculture

**Introductory Agrometeorology
and Climate Change**

PAPER — 409

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

Answer **all** questions.

1. Answer *any five* questions from the following :
2×5=10

(a) What do you mean by agrometeorology?



(2)

- (b) Write down the scopes of Agricultural Meteorology.
 - (c) What do you mean by weather elements?
 - (d) Write down the scope of agrometeorology in agriculture.
 - (e) Briefly describe reflectivity and transmissivity.
 - (f) What do you mean by micro-climate?
 - (g) What do you mean by weather forecasting?
 - (h) Write a short note on trade wind.
2. Answer any **four** questions from the following :
5×4=20
- (a) Differentiate between Climate and Weather.
 - (b) Briefly describe the different atmospheric strata.

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(Continued)

(3)

- (c) Differentiate between cyclones and anticyclones.
 - (d) Briefly describe the monsoon in India.
 - (e) Describe climate change and its impact on agriculture.
 - (f) Write down the different types of rainfall.
3. Answer any **two** questions from the following :
10×2=20
- (a) Briefly describe the different types of clouds. 10
 - (b) Describe the weather abnormalities. Briefly explain the cloud seeding process. 6+4=10
 - (c) Write down the importance of weather forecasting. Describe the different forecasting informations. Discuss on different types of weather forecasting. 4+3+3=10

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(Turn Over)



(4)

(d) Write short notes on the following :

$2\frac{1}{2} \times 4 = 10$

- (i) Hydrological cycle
- (ii) Heat wave and cold wave
- (iii) Albedo
- (iv) Solar radiation

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