

2021

AGRICULTURE

PAPER-I

Time Allowed — 3 Hours

Full Marks — 200

*If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining ones ignored.*

*Answers may be given either in **English** or in **Bengali** but all answers must be in one and same language.*

**Group-A**

Answer any three questions.

40×3=120

1. (a) What is agro ecology and what are the agro-ecological factors? 10  
(b) Describe the role of climate and weather on crop production. 20  
(c) Write in brief precision farming. 10
2. (a) What do you mean by the greenhouse effect? 10  
(b) What are global warming and its impact on agriculture? 20  
(c) Write in brief the application of remote sensing in agriculture. 10
3. (a) Define cropping pattern and cropping sequence. 10  
(b) Describe the objectives, types and impacts of cropping patterns on High Yielding Varieties. 10  
(c) Write in brief recent changes of cropping patterns in the light of global warming and climate change. 20
4. (a) What do you mean by agricultural extension? 5  
(b) Write down the importance and role of agricultural extension in promoting and sustaining rural development. 15  
(c) Describe the principles and methods of agricultural extension. 20
5. (a) What do you mean by market-led extension? 5  
(b) Describe agricultural marketing with an emphasis on supply chain, pricing and market intelligence. 15  
(c) Write in brief the role of cold storage in the economy of agriculture. 20

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**Group-B**

Answer *any two* questions.

40×2=80

6. (a) Critically discuss the role and function of Krishi Vigyan Kendra in the Indian context. 20  
(b) Describe the role of Self Help Group in agriculture with special reference to Womens' Empowerment. 20
7. (a) What is dryland farming and what is the different limiting factor in dryland farming? 20  
(b) What do you mean by water use efficiency in relation to crop production? Write in brief scheduling irrigation. 20
8. (a) Define soil and explain the factors of soil formation. Write in brief different problems of soil and their reclamations. 20  
(b) What do you mean by plant nutrition? Describe the role of essential elements in plant nutrition. 20

**For Classroom / Online guidance / coaching of WBCS Prelims , Main Exam by experts and officers and Interview by IAS /WBCS Gr A Officers/ Toppers, WBCS Prelims and Main Mock Test (Classroom & Online), Optional Subjects, Studymaterials, Correspondence Course etc. Call WBCSMadeEasy™ at Toll Free no 1800 572 9282 or 8274048710 Or 9674493673 or mail us at [mailus@wbcsmadeeasy.in](mailto:mailus@wbcsmadeeasy.in) (Our centers as of now - College Street 8585843673, Garia/ HO 8274048710, Siliguri - 9051265991. Medinipur 8274972589)**