AgriToppers Classes

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AIEEA-PGS JRF (Junior Research Fellowship) Coaching Program

AGRONOMY

STUDY PLANNER (Concept build up)

Number	Topic	Revision 1 (Write Date)	Revision 2 (Write Date)
0	Introduction, Suggested reading list, approach & important topics		
1	Agriculture & Agronomy- Definitions, basic principles, history and scope		
2	Factors influencing the crop growth and development		
3	Agro meteorology-Terminology, history and importance		
4	Growth and development of crop- pattern and growth analysis		
5	Soil environment and its modification-soil formation and development, soil physical-chemical and biological environment		
6	Crops, cultivars and tillage		

7	Seeds and sowing		
8	Plant population		
9	Mineral nutrition, manures and fertilizers		
10	Dryland crop production		
11	Soil and water conservation		
12	Irrigation-water resources, basic concepts, methods of irrigation and measurement of irrigation water		
13	Efficient use of water in crop production		
14	Agronomic methods of pest management		
15	Harvesting, storage and post-harvest management		
16	Quality of agricultural produce		
17	Cropping systems		
18	Farming systems		
19	Organic farming		
20	Precision agriculture		
21	Crop production (Part 1)-cereals		
22	Crop production (Part 2)- pulses and oilseeds		
23	Crop production (Part 3)-commercial crops		
24	Crop production (Part 4)- forage crops		

25	Plant physiology and biochemistry		
26	Weed management- basics, weed menace, crop weed competition, propagation of weeds		
27	Classification of weeds, physiology, biology of weeds		
28	Classification of herbicides and mode of action		
29	Herbicide resistance, calibration of sprayer		
30	Agriculture statistics (part 1)- basic concepts, role, measurement scales , data classification and summarization, central tendency, dispersion skewness and kurtosis		
31	Agriculture statistics (part 2)- experimental designs		
32	Agronomic numericals		
33	Soil science- basics, problematic soils		
34	Fertilizers and their classification, nutrient analysis methods		
34	Agronomy MCQ's-I		
37	Agronomy MCQ's –II		
38	Agronomy MCQ's –III		
39	Soil Science MCQ'S		
40	Agricultural statistics MCQ's		

41	Plant Physiology MCQ's		
42	Agronomy doubts and discussions		
43	Soil Science discussion		
44	Agricultural Statistics discussion		
GENERAL AGRICULTURE VIDEO LECTURES			
1	GA_Agronomy		
2	GA_Soil Science		
3	GA_Economics & Extension		
4	GA_Entomology		
5	GA_Agricultural Statistics		
6	GA_Horticulture		
7	GA_Plant Biotechnology		
8	GA_Genetics		
9	GA_Pathology		

- Go through toppers notes for clear understanding and edge over others.
- Clear doubts by available several interactive platforms when needed (Telephone, Whatsapp, Email).
- For better understanding video lectures & reading of suggested books should go in side by side.

STUDY PLANNER (Reading tracker)

Text Book	50 % reading (Write date)	100 % reading (Write date)	1st revision (Write date)	2nd revision (Write date)	3rd revision (Write date)
CORE SUBJECT: Genetics & Plant breeding, Plant Pathology, Microbiology & Seed Technology					
1. Principles of agronomy- Reddy and Reddy					
2. Principles of Agronomy- S R Reddy					
3. Irrigation agronomy- S R Reddy					
4. Modern concepts of agronomy- ICAR					
5. Field Crop Production- Dr. Rajendra Prasad					
6. Crop Production Technologies- Chiddha Singh (Fodder crops)					
7. Weed management- O. P Gupta					
8. Introduction to Soil science- D K Das					
9. Fundamentals of agriculture- Arun Katyayan (Plant Physiology & Biochemistry)					
10. Agricultural Statistics- Rangaswamy					

GENERAL AGRICULTURE					
1. Nem Raj Sunda					
2. S. R. Kantwa					