

UPSC Mains 2025 Aug 31, 2025 Agriculture (Paper 1) Question Paper and Answer Key PDF

Q. No.	Question	Check Solution
Q1 (A)	Classify natural resources. Discuss the natural resource management with reference to ecological conservation.	Check Solution
Q1 (B)	Differentiate between cropping system and cropping pattern, and describe the principles of cropping system.	Check Solution
Q1 (C)	Differentiate between agrisilviculture and agrisilvipasture system. Give suitable examples of component crops.	Check Solution
Q1 (D)	Elucidate different forest policies and their aims.	Check Solution
Q1 (E)	Explain weed control efficiency (WCE). Work out WCE from the given data and offer your critical comment :	Check Solution
Q2 (A)	Enumerate the impact of climate change with reference to agricultural production. Present the opinion of public on climate change.	Check Solution
Q2 (B)	Write down the agronomic measures for climate-resilient crop production in rainfed areas.	Check Solution
Q2 (C)	Write a brief note on the major soils of India.	Check Solution
Q3 (A)	List out the cereal- and millet-based cropping systems practised in India based on soil type and irrigation availability.	Check Solution
Q3 (B)	Discuss the production technology of rainfed cotton crop under the following heads : (i) Climate and soil requirement (ii) Methods of sowing and seed rate (iii) Manures and fertilizers (iv) Inter-culture operations (v) Plant protection	Check Solution
Q3 (C)	Discuss different in situ moisture conservation practices recommended in dryland areas.	Check Solution
Q4 (A)	Explain the productive, protective, ameliorative, recreational, educational and developmental functions of Indian forests.	Check Solution
Q4 (B)	Explain weed seed bank. Describe the strategies to reduce weed seeds in soil.	Check Solution
Q4 (C)	What is the need for integrated nutrient management (INM)? Suggest INM for transplanted rice.	Check Solution

Q5 (A)	Explain saltation, surface creep and suspension with reference to wind erosion.	Check Solution
Q5 (B)	Discuss the sensitive stages for drought and high temperature in cereals and pulses.	Check Solution
Q5 (C)	Pre-harvest scarcity and post-harvest glut'-elucidate with suitable examples, and give any two valid reasons behind such situation under Indian context.	Check Solution
Q5 (D)	Explain the term 'market intelligence'. Briefly point out the role of market intelligence and how it is useful to the Government, traders, farmers, consumers and researchers.	Check Solution
Q5 (E)	Explain 'Farmer FIRST'. Briefly discuss the objectives of 'Farmer FIRST'.	Check Solution
Q6 (A)	Enumerate the harmful effects of herbicide residues in soil. Discuss the remedial measures to overcome the above problem.	Check Solution
Q6 (B)	Give a lucid account on the factors influencing soil formation.	Check Solution
Q6 (C)	Present a brief note on the types of mulches and their role in soil moisture conservation.	Check Solution
Q7 (A)	Explain the term 'conjunctive use of water'. Suggest the management practices to improve poor quality irrigation water with reference to salinity hazards.	Check Solution
Q7 (B)	Enunciate the reasons for waterlogging and describe various management strategies to mitigate waterlogging.	Check Solution
Q7 (C)	Why is farm planning necessary? Brief the limitations of farm planning.	Check Solution
Q8 (A)	Differentiate between partial and complete farm budget. Highlight the steps adopted while preparing farm planning and budgeting.	Check Solution
Q8 (B)	Discuss various training methods suitable for agricultural extension personnel in India.	Check Solution
Q8 (C)	Explain in detail about Bennett's hierarchy extension programme evaluation model.	Check Solution