2024

G20

BOOKLET NO.
402137

General Agriculture

Paper – I

Time Allowed : Three Hours **Maximum Marks : 200**

Medium : English **Type of Paper : Conventional**

Question Paper Specific Instructions

Please read each of the following instructions carefully before attempting questions :

1. Attempt any **FOUR** questions from **Question No. 1 to 5**.
2. Attempt either **Question No. 6** or **Question No. 7**.
3. Attempt all questions from **Question No. 8, 9 and 10**.
4. The number of marks carried by a question/sub question is indicated against it.
5. Keep in mind the word limit indicated in the question if any.
6. Wherever option has been given, only the required number of responses in the serial order attempted shall be assessed. Unless struck off, attempt of a question shall be counted even if attempted partly. Excess responses shall not be assessed and shall be ignored.
7. Candidates are expected to answer all the sub-questions of a question together. If sub-question of a question is attempted elsewhere (after leaving a few page or after attempting another question) the later sub-question shall be overlooked.
8. Any page or portion of the page left blank in the Answer Booklet must be clearly struck off.
9. Unless otherwise mentioned, symbol and notation have their usual standard meanings. Assume suitable data, if necessary and indicate the same clearly.
10. Neat sketches may be drawn, wherever required.
11. The medium of answer should be mentioned on the answer book as claimed in the application and printed on admission card. The answers written in medium other than the authorized medium will not be assessed and no marks will be assigned to them.

Note – Candidates will be allowed to use Scientific (Non-programmable type) calculators.

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P.T.O.

Q1. (A) 1) Discuss the important factors affecting crop production. **5**

2) Define dry land agriculture, what are the drawbacks of dryland agriculture and suggest suitable measures to make dryland areas to be a profitable venture. **5**

(B) Enlist major soil types observed in Maharashtra and discuss in details about characteristics of black cotton soil. **15**

Q2. (A) Enlist and explain salient features of Public Distribution System (PDS) as per the provisions of National Food Security Act, 2013. **10**

(B) What is protein energy malnutrition ? How to identify micronutrient deficiency and ways to overcome micronutrients deficiency. **15**

Q3. (A) Define following terms. (**Any ten**) **10**

1) Mitigation
2) Vulnerability
3) Speculation
4) Ecology
5) Iso-cost line
6) Biological diversity
7) Renewable energy
8) GDP (Gross Domestic Product)
9) Carbon credit
10) Biomass
11) Sustainability.

(B) Define credit. Give classification of credit and explain all in details. **15**

Q4. (A) 1) Define poverty and explain causes of Rural Backwardness. **5**

2) Define unemployment and describe types of unemployment in India. **5**

(B) What is mean by rural economy ? Write its components, structure, characteristics and give importance of rural development. **15**

Q5. (A) What is nanotechnology ? Discuss the use of nanotechnology in fertilizer and plant nutrition. **10**

(B) Elaborate on STCR approach for precision agriculture. **15**

Q6. (A) Define land revenue. Give the classification of land occupancies in India. Explain the responsibilities and duties of revenue officers. **20**

(B) 1) What is tenancy and explain the rights of tenancy ? **10**

2) Discuss in brief the aims and objectives of Essential Commodity Act, 1955. **10**

Q7. (A) Write short notes on : **20**

1) Benefits of Regional Rural Banks Act, 1976. **10**

2) What is FSSAI ? Explain the functions of FSSAI. **10**

(B) Discuss the key features of Agriculture Produce Market Act, 1972 and challenges in the APMC system. Give suggestions to overcome such challenges. **20**

Q8. (A) Answer **any two** of the following : **10**

1) Write short note on Kisan Credit Card Scheme.

2) What is APEDA ? Write its functions.

3) What is e-NAM ? State its benefits.

(B) Discuss the objectives, key features and significance of Pradhan Mantri Fasal Bima Yojana (PMFBY). **10**

Q9. (A) Discuss different types of farm subsidies given by government of India and Maharashtra. **10**

(B) Write in brief highlights of Union Budget 2025 with reference to agriculture. **10**

Q10. (A) Discuss about recent advancement in agricultural research. **10**

(B) Write a note on agriculture export and import of India. **10**

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