

1. Which of the following crops is classified as a C₄ plant?

- a) Wheat
- b) Rice
- c) Maize
- d) Barley

Answer: c) Maize

2. The Father of Green Revolution in India is:

- a) M.S. Swaminathan
- b) Norman Borlaug
- c) B.P. Pal
- d) R.A. Fisher

Answer: a) M.S. Swaminathan

3. Which nutrient deficiency causes chlorosis first in younger leaves?

- a) Nitrogen
- b) Iron
- c) Calcium
- d) Magnesium

Answer: b) Iron

4. In plant breeding, “backcross method” is mainly used for:

- a) Hybrid seed production
- b) Transfer of a single gene
- c) Increasing heterozygosity
- d) Polyploid breeding

Answer: b) Transfer of a single gene

5. Rhizobium forms nodules in which crop?

- a) Wheat
- b) Mustard
- c) Soybean
- d) Maize

Answer: c) Soybean

6. The ideal soil pH for most crops ranges between:

- a) 3.5–4.5
- b) 4.5–5.0
- c) 5.5–7.5
- d) 8.0–10.0

Answer: c) 5.5–7.5

7. Which irrigation method is most suitable for orchards?

- a) Flood irrigation
- b) Check basin
- c) Sprinkler irrigation
- d) Drip irrigation

Answer: d) Drip irrigation

8. Damping-off disease in seedlings is caused mostly by:

- a) Alternaria
- b) Pythium
- c) Xanthomonas
- d) Ustilago

Answer: b) Pythium

9. In photosynthesis, the light-independent reactions occur in:

- a) Thylakoid membrane
- b) Granum
- c) Stroma
- d) Mitochondria

Answer: c) Stroma

10. The process of removing male floral parts to prevent self-pollination is called:

- a) Pollination
- b) Hybridization
- c) Emasculation
- d) Stratification

Answer: c) Emasculation

11. Which of the following is a Rabi crop?

- a) Paddy
- b) Jowar
- c) Gram
- d) Groundnut

Answer: c) Gram

12. The most widely used biofertilizer in India is:

- a) Azotobacter
- b) Rhizobium
- c) Azospirillum
- d) Blue-green algae

Answer: b) Rhizobium

