

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

Subject Code :

0 2

Test Booklet No. : 00573

**TEST BOOKLET****AGRICULTURE****Time Allowed : 2 (Two) Hours****Full Marks : 200****INSTRUCTIONS**

1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
2. **Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.**
3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the timekeeper and his/her decision in this regard is final.
5. No candidate shall leave the Examination Hall/Room without prior permission of the Supervisor/Invigilator. No candidate shall be permitted to hand over his/her Answer Sheet and leave the Examination Hall/Room before expiry of the full time allotted for each paper.
6. No Mobile Phone, Pager, etc., are allowed to be carried inside the Examination Hall/Room by the candidates. Any Mobile Phone, Pager, etc., found in possession of the candidate inside the Examination Hall/Room, even if on off mode, shall be liable for confiscation.
7. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected paper permitted by the Commission.
8. Complete silence must be observed in the Examination Hall/Room. No candidate shall copy from the paper of any other candidate, or permit his/her own paper to be copied, or give, or attempt to give, or obtain, or attempt to obtain irregular assistance of any kind.
9. After you have completed filling in all your responses on the Answer Sheet and the Examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
10. Violation of any of the above Rules will render the candidate liable to expulsion from the Examination Hall/Room and disqualification from the Examination, and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and Interviews conducted by the Commission for appointment to Government Service.
11. Smoking inside the Examination Hall/Room is strictly prohibited.
12. **This Test Booklet contains one sheet (two pages) for Rough Work at the end.**

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[ No. of Questions : 100 ]

SEAL

CCE (P) - 2015  
AGRICULTURE

1. Growing four crops in a year in sequence is termed as

- (A) double cropping
- (B) multistoried cropping
- (C) quadruple cropping
- (D) tetra cropping

2. Shade-loving plants are known as

- (A) heliophytes
- (B) hydrophytes
- (C) xerophytes
- (D) sciophytes

3. A separate department of agriculture was created first at national level in

- (A) 1861
- (B) 1871
- (C) 1885
- (D) 1890

4. A silt loam is considered ideal for crop growth when solid : liquid : air proportion by volume is at

- (A) 70:20:10
- (B) 60:20:20
- (C) 50:30:20
- (D) 50:25:25

5. The oil content of groundnut is

- (A) 45 percent
- (B) 35 percent
- (C) 40 percent
- (D) 48 percent

6. The hormone associated with 'acid growth theory' is

- (A)  $GA_3$
- (B) cytokinin
- (C) auxin
- (D) ethylene

7. Translocation of carbohydrates mostly takes place in the form of

- (A) glucose
- (B) sucrose
- (C) fructose
- (D) maltose

8. The end product of photosynthesis is

- (A) pyruvic acid
- (B) protein
- (C) starch
- (D) malic acid

9. The source of dwarfing gene in wheat is

- (A) Dee-Gee-Woo-Gen
- (B) Norin-10
- (C) Opaques
- (D) Hipsoli

10. Seedless watermelon is a

- (A) diploid
- (B) triploid
- (C) tetraploid
- (D) hexaploid

11. Which of the following crops is known as 'white gold'?

- (A) Opium
- (B) Cotton
- (C) Maize
- (D) Soybean

12. In India, which of the following fruits has the highest production?

- (A) Mango
- (B) Citrus
- (C) Grape
- (D) Banana

13. The edible portion of pomegranate is

- (A) aril
- (B) thalamus
- (C) mesocarp
- (D) endocarp

14. Botanically pineapple fruit is

- (A) balusta
- (B) sorosis
- (C) berry
- (D) pome

15. Leafless variety of pea is

- (A) Bonneville
- (B) T-163
- (C) L-H6
- (D) Aparna

16. The tuber crop which is rich in protein is

- (A) Colocasia
- (B) yam
- (C) potato
- (D) sweet potato

17. Pungency of radish is due to
- solanin
  - capsaicin
  - isothiocyanate
  - calcium acetate
18. Nozzle is a part of
- rotary duster
  - cynogas pump
  - hand compressor sprayer
  - ULV applicator
19. Which of the following is a genetic parthenocarpic fruit?
- Guava
  - Apple
  - Sapote
  - Grape
20.  $C_4$  plants normally give more biological yield than  $C_3$  plants because of
- less respiration
  - more photosynthesis
  - more photophosphorylation
  - less photophosphorylation
21. Neem products are found effective in reducing
- fruit borer attack of cucumber
  - stem borer attack of rice
  - fruit borer attack of brinjal
  - fruit borer attack of okra
22. Wilting syndrome, known as 'kresek', occurs in
- bacterial blight of rice
  - bacterial wilt of cotton
  - brown spot of rice
  - rice blast
23. Citrus tristeza virus is transmitted by
- beetles
  - thrips
  - aphids
  - nematodes
24. Genetic transfer between bacterial cells mediated by bacteriophage is
- transformation
  - conjugation
  - transduction
  - temperate phage

