

2024(Backlog)

Time : 3 hours

Full Marks : 60

Pass Marks : 24

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Multiple Choice Type Questions)

(Compulsory)

1. Choose the correct answer of the following :

1×10 = 10

- (a) As part of the Vavilovian centres of origin, India is recognized for :
- (i) Rice, millets and legumes
 - (ii) Rice, wheat and legumes

- (iii) Wheat and millets
 (iv) Wheat and root crops
- (b) Retting process is associated with extraction of which fiber ?
 (i) Cotton (ii) Jute
 (iii) Hemp (iv) Coir
- (c) Soyabean belongs to which family ?
 (i) Fabaceae (ii) Asteraceae
 (iii) Malvaceae (iv) Lamiaceae
- (d) Scientific name of Indian rubber tree is :
 (i) **Ficus elastica** (ii) **Ficus palmate**
 (iii) **Ficus carica** (iv) **Ficus altissima**
- (e) Which of the following part of cinchona tree is used to treat malaria ?
 (i) Leaves (ii) Seed
 (iii) Root (iv) Bark
- (f) Which of the following variety of coffee beans is mainly produced in southern part of India ?
 (i) Arabiata (ii) Arabica
 (iii) Arizon (iv) Anamika

- (g) **Syzygium aromaticum** is obtained from which of the following part of the plant ?
 (i) Dried leaf (ii) Dried flower bud
 (iii) Dried bark (iv) Dried seed
- (h) What is main use of bagasse, a by-product of sugarcane cultivation ?
 (i) Cattle feed
 (ii) Fuel
 (iii) Fertilizer
 (iv) Biogas production
- (i) Which is most important cereal crop in India ?
 (i) Rice (ii) Wheat
 (iii) Jowar (iv) Barley
- (j) Which of the following does not belong to legume family ?
 (i) Pigeon pea (ii) Kidney beans
 (iii) Lupine (iv) Quinoa
2. Write note on any one of the following : 5
 (a) Briefly discuss about center of origins with reference to Vavilov's work.
 (b) What is timber also mention its uses ?

Group – B

(Long answer Type Questions)

Answer any **three** questions of the following :

15×3 = 45

3. What are Millets ? Discuss the origin, morphology and uses of Rice.
4. What are Fodder Legumes ? Mention, in detail, about the importance of legumes in ecosystem.
5. Classify fibers on the basis of origin. Discuss about morphology and processing of any one important fiber yielding plant.
6. Name some of the common spices found in India and write detailed account of any two of them.
7. Write notes on any **two** of the following :
 - (a) Therapeutic drugs with suitable examples
 - (b) Processing and Curing of tea leaves
 - (c) Botanical name, family and uses of any two oil yielding plant

