

(6 Pages)

Reg. No. :

Code No. : 20220 E Sub. Code : SNBO 4 B /
ANBO 42

U.G. (CBCS) DEGREE EXAMINATION,
APRIL 2023.

Fourth – Semester

Botany

Non-Major Elective — BOTANY FOR COMPETITIVE
EXAMINATION

(For those who joined in July 2017 – 2020)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Cell wall of fungi is made up of
- (a) cellulose (b) hemicellulose
(c) chitin (d) pectin

7. Stomata is associated with
- (a) transpiration
(b) ascent of sap
(c) bleeding
(d) guttation
8. Which gas is evolved during photosynthesis?
- (a) nitrogen
(b) hydrogen
(c) carbon dioxide
(d) oxygen
9. Who is called father of genetics?
- (a) Darwin (b) Mendal
(c) Punnet (d) Watsan
10. _____ is called as powerhouse of cell.
- (a) ribosome (b) plasma
(c) mitochondria (d) nucleus

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2. Which one of the following has both living and non living character?
- (a) bacteria (b) fungi
(c) algae (d) virus
3. Engler and prantle system of classification is a _____ system.
- (a) artificial (b) natural
(c) phylogenetic (d) none of these
4. Paddy belongs to the family
- (a) Fabaceae (b) Cucurbitaceae
(c) Poaceae (d) None of these
5. Leaves of which plant is used to kill intestinal worms
- (a) Ocimum (b) Neam
(c) Acalypha (d) Vetiver
6. Which part of ginger is used medicinally
- (a) leaves (b) root
(c) rhizome (d) all the above

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b) not exceeding 250 words.

11. (a) Write the general characters of pteridophytes.
- Or
- (b) Enumerate the economic importance of algae.
12. (a) Write short notes on binomial system of nomenclature.
- Or
- (b) Explain the floral characters of cucurbitaceae.
13. (a) What are the medicinal uses of ocimum?
- Or
- (b) Write the botanical name and medicinal uses of neem.
14. (a) What are the types of transpiration?
- Or
- (b) Explain glycolysis.

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15. (a) Explain the functions of nucleus.

Or

(b) Write about bio-fertilizer.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).
answer should not exceed 600 words.

16. (a) What are the general characters and economic importance of gymnosperms?

Or

(b) Give an account on classification of plant kingdom.

17. (a) Explain the floral characters and economic importance of fabaceae.

Or

(b) Write the Bentham and Hooker system of classification.

18. (a) Write the botanical name, useful part and medicinal uses of Tulsi.

Or

(b) Write the medicinal uses of solanum trilobatum and phyllanthus emblica.

19. (a) Explain the mechanism of water absorption in plants.

Or

(b) Give a detailed account on cyclic electron transport.

20. (a) Write in detail about chloroplast.

Or

(b) Write an essay on basic concepts of genetic engineering.
