

B.Sc. Semester - 1 (CBCS) Examination
Nov/Dec - 2022 (NEW COURSE)
BOTANY(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

-
- Q.1 (A) Objective type questions.** **04**
- (1) Fill in the blank: A motile flagellated asexual cell is _____
 - (2) Give the term: In spirogyra the fusion of two adjacent cell of the same filaments.
 - (3) Fill in the blank: A conceptacle in sargassum is _____
 - (4) Give the name of five kingdoms given by whittkers classification of living organisms.
- Q.1 (B) Answer in brief (Any One)** **03**
- (1) Write notes on: Algae as a food.
 - (2) Describe the distinguishing features of chlorophyta.
- Q.1 (C) Write a note on (Any One)** **07**
- (1) Describe with labeled diagram: Lateral conjugation in spirogyra.
 - (2) Give a detailed illustrated account of the male conceptacles of sargassum.
- Q.2 (A) Objective type questions.** **04**
- (1) Name the fertile layer present on the surface of the gills.
 - (2) Fill in the blank: Reserve food material of fungi is _____
 - (3) Name dome shape sterile portion of the sporangium in Mucor.
 - (4) True or false: Mycology means study of fungi.
- Q.2 (B) Answer in brief (Any One)** **03**
- (1) Write the economic importance of fungi as a food.
 - (2) Explain with diagram: Button stage in agaricus.
- Q.2 (C) Write a note on (Any One)** **07**
- (1) Describe the vegetative structure and asexual reproduction in mucor.
 - (2) Describe the structure of the basidiocarp in Agaricus with the help of diagram.
- Q.3 (A) Objective type questions.** **04**
- (1) Fill in the blank: Members of the class Hepeticopsida are commonly called as _____
 - (2) What is the dominant phase of the life cycle in bryophytes?
 - (3) Name the types of Rhizoids in Riccia.
 - (4) True or false: The sporophyte of Riccia is represented by only capsule.
- Q.3 (B) Answer in brief (Any One)** **03**
- (1) Explain the sporophyte of Riccia.
 - (2) Draw neat and labeled diagram: V.T.S. thallus of Riccia passing through antheridial chamber.
- Q.3 (C) Write a note on (Any One)** **07**
- (1) Describe the salient features of Hepaticopsida.
 - (2) Describe the internal structure of thallus of Riccia with the help of a diagram.
- Q.4 (A) Objective type questions.** **04**
- (1) True or false: Pteridophytes are also known as vascular cryptogams.
 - (2) Fill in the blank: The common name of Nephrolepis is _____
 - (3) What is the highest unit of time in the geological time table?
 - (4) Give the name of the structure formed by the geminating Nephrolepis spore.

Q-4(B) Answer in brief (Any One)	03
(1) Write notes on: Scales (Ramenta) in Nephrolepis.	
(2) Write not on: Stolon in Nephrolepis.	
Q.4(C) Write a note on (Any One)	07
(1) Write the characteristic feature of pteridophytes.	
(2) Explain: Spore bearing organ in Nephrolepis with diagram.	
Q.5 (A) Objective type questions.	04
(1) Which type of plant is cycas? Monoecious or dioecious?	
(2) Name the terminal sterile portion of the microsporophyll of cycas.	
(3) What is arrangement of leaves on the stem of Cycas?	
(4) Which type of ovules are present in cycas?	
Q.5 (B) Answer in brief (Any One)	03
(1) Explain: Vegetative reproduction through bulbil in cycas.	
(2) Differences between normal root and coroloid root in cycas.	
Q.5(C) Write a note on (Any One)	07
(1) The help of suitable diagrams describe the internal structure of cycas leaflet.	
(2) Give an illustrated of the male cone of cycas.	
