

MJP Ruhelkhand University, Bareilly
D.R.A. Government Degree College Bisauli, Budaun

BSc- III Year

BOTANY (LAB ASSIGNMENT)

(Based on open book system)

Name -..... Roll No.....

Date- Signature.....

MM.

Time- 24 hours

PART- A

(1) Attempt all questions/ Task (each carry 01 mark)

1) Which of the following is true about turmeric-

- a) Green rhizomes are boiled in water till a froth comes out and white fumes appear giving out a characteristic odour
- b) The softness of the cooked rhizomes depends on the curing conditions and process
- c) After drying, the turmeric hardens up
- d) All of the above

2) Main objectives of gene banks is-

- a) To maintain the genetic integrity of its accessions
- b) Make the material easily available to users of germplasm and provide the raw material for plant breeding and basic biological research
- c) Provide germplasm for restoration of lost species or crops
- d) All of the above

3) Match the following Ramsar convention wetlands to their geographical location.

- | | |
|----------------------------|--------------|
| 1) Keoladeo national park. | A. Rajasthan |
| 2) Loktak lake | B. Odisha |
| 3) Ashitamudil lake | C. Kerala |
| 4) Chilka lake | D. Manipur |

Chose the correct answer from the following.

- | | |
|--------------------|--------------------|
| a) 1-A 2-B 3-C 4-D | b) 1-D 2-B 3-A 4-C |
| c) 1-A 2-D 3-C 4-B | d) 1-B 2-D 3-A 4-C |

4) A lake with an inflow of domestic sewage rich in organic waste may result in-

- a) An increased production of fish due to lot of nutrients
- b) Drying of the lake very soon due to algal bloom
- c) Increased population of aquatic food web organisms
- d) Death of fish due to lack of oxygen.

5) Match the following-

- | | |
|-----------|------------------------|
| 1) Vit. A | A) Anti sterility vit. |
| 2) Vit. C | B) Anti Rickets vit. |
| 3) Vit. D | C) Anti Scurvy vit. |
| 4) Vit. E | D) Anti blindness vit. |

Chose the correct answer from the following.

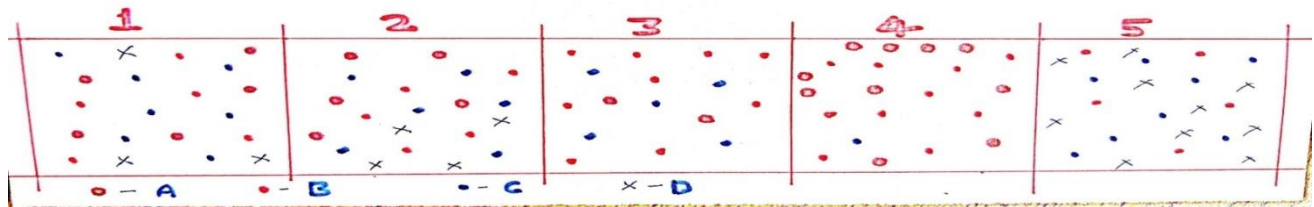
- | | |
|--------------------|--------------------|
| b. 1-D 2-C 3-B 4-A | b) 1-A 2-B 3-C 4-D |
| c) 1-C 2-D 3-B 4-A | d) 1-D 2-A 3-B 4-D |

2- Give one line answer of the following questions (Attempt all questions/Task)

- 1) First genetically modified plant commercially released in India is--
- 2) Write the Botanical name and important alkaloid obtained from Opium.
- 3) 5, 8, 6,9,2,4,7,3,5 (Calculate the mean of given value).
- 4) Give one major differences between hormone and vitamins.
- 5) Write the name of green house gases.
- 6)

(2) 2- Give 3- 4 lines answer of the following questions (Attempt all questions/Task)

- (1) Determine the % frequency, density and abundance of various species occurring in given photograph. (Write only result and conclusion).



- (2) Study the economic botany of Black gram.
- 3) Pathological examination of red rot of sugarcane. (Name of causal organism and major symptoms of the disease).
- 4) Give the proceedings to determine the soil PH by Barium Sulphate test.
- 5) Give the flow chart of central dogma.

Total marks-

PART- A (Assignment given by the college)

PART- B (Assignment prepared by the candidate)