

Online BDP Term End (Practical) Examinations : December 2020 & June 2021

ঐচ্ছিক পাঠ্যক্রম (Elective Course)

Practical

উদ্ভিদবিদ্যা (Botany)

EBT- 8 : Botany-II

Instructions with Model Questions

* **Examinees are asked to go through this model question to solve the final MCQ during the examination.**

❖ **Instructions :**

The questions will be of MCQ type from the reduced syllabi (available in the NSOU website). There will be four options for answer. You will have to answer the correct one. Examinees need to go through the topics carefully and are expected to have an application based approach while they are covering a topic. Examinees can expect several types of questions from the different topics of the reduced syllabi. They are advised to follow the following points.

● **Work out / identification based topics :**

Examinees are expected to have a clear idea about its characteristics and systematic position (as and when applicable) of different samples. In this case examinees are suggested to read the special characteristics for that sample, intensively.

Must have a knowledge of all reagents/chemicals and instruments used for these purposes.

● **Experiment based topics :**

Examinees are advised to know about the four major parts of that experiment *i.e.* **Principle, Materials** and **Methods** (How the experiment is performed and uses of different materials), **Observation** and **Conclusion** part.

❖ **Model Questions :**

1. আপনাকে নিম্নোক্ত চারটি ফুল দেওয়া হল । এগুলির কোন্টিতে ভেক্সিলারি পুষ্পবিন্যাস দেখতে পাবেন ?

You are supplied with following four flowers. Which one represents vexillary aestivation ?

- China-rose (*Hibiscus rosa-sinensis*)
- Pea flower (*Pisum sativum*)
- Karabi (*Nerium indicum*)
- Ghentu (*Clerodendrum viscosum*)

2. সূর্যমুখী ফুলের পুষ্পবিন্যাসকে বলা হয়

The inflorescence of sunflower is said to be

- a) Cyathium
- b) Capitulum
- c) Hypanthodium
- d) Corymb

3. সঠিক বিবৃতি (গুলি) খুঁজে বের করুন।

Find out the correct statement(s) ?

- i) Raceme inflorescence founds in *Brassica* sp.
- ii) Spike inflorescence founds in *Amaranthus* sp.
- iii) Panicle inflorescence founds in *Andrographis* sp.
- iv) Capitata is a subtype of Racemose inflorescence

Options :

- a) Only (i) is correct
- b) Both (i) and (ii) are correct
- c) All except (ii) are correct
- d) Only (ii) are correct

4. দলমন্ডল ক্রুশাকার, দীর্ঘচতুষ্টয়ী পুংকেশর এবং প্রান্তীয় অমরাবিন্যাস দেখায় যায় যে উদ্ভিদে, তা হল

Cruciform corolla, tetradynamous stamens and parietal placentation are found in the plant

- a) *Sida cordifolia*
- b) *Leonurus sibiricus*
- c) *Solanum nigrum*
- d) *Brassica nigra*

5. 500 ml গ্লুকোজ (1 M) স্টক দ্রবণ কিভাবে প্রস্তুত করবেন ?

How do you prepare 500 ml glucose (1M) solution ?

- a) Dissolving 180 gm glucose in 500 ml distilled water
- b) Dissolving 90 gm glucose in 2 lit. distilled water
- c) Dissolving 180.2 gm glucose in 1.5 lit. tap water
- d) Dissolving 90.1 gm glucose in 500 ml distilled water

