

TRIBHUVAN UNIVERSITY
Institute of Science and Technology
Central Department of Botany
M.Sc. Entrance Examination – 20.....
BOTANY

Exam date:

Full Marks: 100

Time: 2 Hours

Pass Marks: 35

Roll No.

Roll No. in Word

Instructions

- *There are 100 questions in this paper. All questions carry equal mark.*
- *Each question is followed by four alternative answers. **Fill the circle** for the correct choice in the answer sheet.*
- *The candidate will not be allowed to leave the examination hall before 30 minutes of commencement of the examination.*

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1. The protein shell that encloses the nucleic acid in virus is called
 - a. Capsid
 - b. Genome
 - c. Tail fiber
 - d. Spikes
 2. Palmella stage is found in algal genus
 - a. *Spirogyra*
 - b. *Voucheria*
 - c. *Chlamydomonas*
 - d. *Chara*
 3. According to Bentham and Hooker system, which one of the following belongs to the order Parietales?
 - a. Leguminosae
 - b. Malvaceae
 - c. Guttiferae
 - d. Cruciferae
 4. The causal organism of *Citrus* canker is
 - a. TMV
 - b. *Alternaria*
 - c. *Helminthosporium*
 - d. *Xanthomonas*
 5. Which of the following atmospheric gases does not have green-house effect?
 - a. CO
 - b. O₃
 - c. CH₄
 - d. N₂O
 6. What kind of ribosome is seen in mitochondria and chloroplast?
 - a. 80s
 - b. 70s
 - c. 50s
 - d. 40s
 7. Activity of one gene can be suppressed by the activity of a non-allelic another gene, it is known as
 - a. Pseudo-dominance
 - b. Hypostasis
 - c. Epistasis
 - d. Incomplete dominance
 8. The most common solidifying agent used in micropropagation is
 - a. Agar
 - b. Dextran
 - c. Sodium alginate
 - d. Gelrite
 9. Which of the followings has a perforated cell wall?
 - a. Vessel
 - b. Fibre
 - c. Tracheid
 - d. Sclereid
 10. *Cinnamomum tamala* is known in Nepali as
 - a. Chutro
 - b. Ritha
 - c. Tejpat
 - d. Pipla
 - 11.
 - 12.
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 - 100.

Note: Entrance questions cover complete BSc. Botany courses.