

## Examrace

### Competitive Exams: Botany MCQs (Practice\_Test 87 of 104)

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1. In a water molecule, hydrogen bonding is possible because oxygen has
  - a. No free electron pairs
  - b. Two free lone pairs of electron
  - c. Four free long pairs of electron
  - d. Six free lone pairs of electron
2. 'Gray speck' of oat is due to the deficiency of
  - a. Manganese
  - b. Molybdenum
  - c. Magnesium
  - d. Zinc
3. Critical toxicity level caused by mineral nutrients means reduction in weight of plant tissue by
  - a. 5 %
  - b. 10 %
  - c. 20 %
  - d. 25 %
4. Active transport of solutes in a living system is
  - a. Unidirectional
  - b. Bidirectional
  - c. Multidirectional
  - d. Cyclic
5. The m-RNA molecule is synthesized from the DNA by the RNA-polymerase by reading the
  - a. Cooling strand in the 3 '5' direction
  - b. Cooling strand in the 5 '3' direction

- c. Ant coding strand in the 3 '5' direction
  - d. Ant coding strand in the 5 '3' direction
6. Smudge in certain colored varieties of onions is prevented by
- a. Fumaric acid
  - b. Ferulic acid
  - c. Chlorogenic acid
  - d. Protocatechuic acid
7. Trifolirhizin, a phytoalexin has been reported from
- a. Soybean roots
  - b. Red clover roots
  - c. Bean pods
  - d. Pea pods
8. The amino acids which are formed by a route common to phenolic compounds are
- a. Lysine and glycine
  - b. Leucine and isoleucine
  - c. Methionine and valine
  - d. Phenylalanine and tyrosine
9. The first alkaloid to be isolated and crystallized was
- a. Nicotine
  - b. Quinine
  - c. Morphine
  - d. Colchicines
10. Pruning of hedge is practiced to
- a. Keep the plants short
  - b. Promote better growth of the shoots
  - c. Promote lateral branching
  - d. Prevent flowering
11. Phototropism is a facility to
- a. Grow disease-free plants
  - b. Grow plants under controlled conditions

- c. Micro propagate plants
  - d. Conserve endangered plants
12. Which one of the following wavelengths is most effective for the photo morphogenetic phenomenon
- a. 730 nm
  - b. 680 nm
  - c. 660 nm
  - d. 560 nm
13. Which one of the following plants exhibits monopole germination of embryo?
- a. Cuscuta
  - b. Mistletoe
  - c. Carrot
  - d. Sandalwood
14. Virus-free clonal plants can be produced
- a. From cuttings
  - b. By anther culture
  - c. By shoot-tip culture
  - d. By micro propagation
15. In angiosperms, the egg is
- a. Completely surrounded by a wall
  - b. Surrounded by a wall only at the micropylar end
  - c. Surrounded by a wall only at the chalazae end
  - d. Devoid of wall