

Admission to M.Sc. (Agriculture) in Agronomy for the academic year 2023-24

**Sample Questions**

Answer all the questions given below.

1. The amount of solar constant is approximately:

- a) 2.94 cal/cm<sup>2</sup>/min,
- b) 2.91 cal/cm<sup>2</sup>/min,
- c) 1.94 cal/cm<sup>2</sup>/min,
- d) 1.91 cal/cm<sup>2</sup>/min.

2. Crops that are sown a few days or weeks before harvesting of standing mature crops are known as:

- a) Mulch crops,
- b) Nurse crops,
- c) Paira crops,
- d) Restorative crops.

3. Shading pyranometer is used to measure:

- a) Direct radiation,
- b) Diffused radiation,
- c) Net radiation,
- d) Reflected radiation.

4. Which of the following nutrients is immobile in soil but highly mobile in plant?

- a) Nitrogen,
- b) Sulphur,
- c) Phosphorus,
- d) Potassium.

5. Breaking the hard pan without inversion and with less disturbance of top soil is termed as

- a) Vertical mulching,
- b) Sub-soiling,
- c) Ploughing,
- d) Tillering.

6. Erosion can be controlled by agronomic measure if the slope is:

- a) 3-4%,
- b) <2%,
- c) >2%,
- d) <3%.

7. Zingg terracing is normally practiced when the slope is:

- a) 16-33%,
- b) 33%,
- c) 10-12%,
- d) 3-10%.

8. Ploughing and sowing in case of contour cultivation is done:

- a) along the slope across the contour,
- b) along the contour across the slope,
- c) along the slope and contour,
- d) across the slope and contour.

9. Which one is the most spectacular symptoms of soil erosion?

- a) Splash,
- b) Sheet,
- c) Rill,
- d) Gully.

10. Study of grasses is related with:

- a) Agronomy,
- b) Agroecology,
- c) Animal husbandry,
- d) Agrostology.