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IBPS SO AGRICULTURE FIELD OFFICER QUIZ – 9

Directions: Study the following questions carefully and answers the questions given below:

1. Which of the following factors inhibit weed seed germination and cause dormancy?

I. Low oxygen levels

II. Hard coating on seeds

III. Presence of light

A. Only I

B. Only II

C. Only I and II

D. Only I and III

E. All of the above

2. Which of the following is associated with absence of primary dormancy?

A. High ABA content

B. Low ABA content

C. Low ethylene content

D. Low Gibberellins

E. None of the above

3. Dormancy due to sudden changes in the environment is termed as –

A. Enforced dormancy

B. Primary dormancy

C. Induced dormancy

D. Embryo dormancy

E. None of the above

4. What is meant by biennial weeds?

A. These complete their life cycle over two growing seasons.

B. This type grows twice (life cycle is repeated twice) in one growing season.

- C. This type completes one life cycle per growing season.
- D. These may grow multiple times in a single growing season.
- E. None of the above

5. Which of the following types of weeds occur only on cultivated land and never in wild form?

- A. Crop bound weed B. Mimicry weed C. Facultative weed
- D. Obligate weed E. None of the above

6. Which of the following best define satellite weeds?

- A. These weeds are especially harmful and undesirable and spread fast.
- B. The seeds of these weeds are difficult to separate once they get mixed with the crop seeds.
- C. These weeds can occur in both fallow and cultivated lands.
- D. These weeds can spread quickly and easily via mediums like the wind.
- E. None of the above

7. Using insects to control weeds is known as –

- A. Pathogen control B. Invasive species control
- C. Parabiological control D. Bio herbicides E. None of the above

8. Which of the following is an example of a selective translocated herbicide which is applied on foliage?

- A. Atrazine B. 2,4-D C. Paraquat
- D. Ammate E. Trifluralin

9. Which of the following defines a translocated herbicide?

I. It is also known as systematic herbicides.

II. It is known to spoil the metabolic and growth processes in plants.

III. Such herbicides are absorbed by one part of the plant while adversely affecting a toxic effect on the other parts.

A. Only I

B. Only II

C. Only I and II

D. Only II and III

E. All of the above

10. Which of the following best describes a contact herbicide?

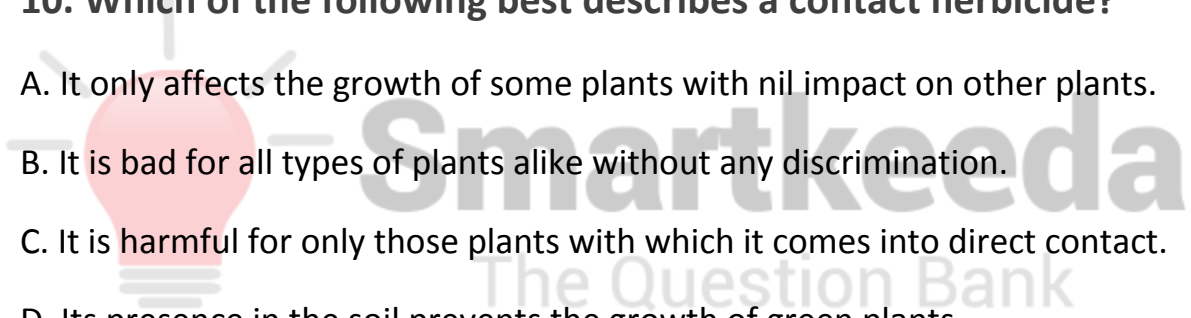
A. It only affects the growth of some plants with nil impact on other plants.

B. It is bad for all types of plants alike without any discrimination.

C. It is harmful for only those plants with which it comes into direct contact.

D. Its presence in the soil prevents the growth of green plants.

E. None of the above



Correct answers:

1	2	3	4	5	6	7	8	9	10
D	B	C	A	D	B	C	B	D	A

Explanations:

1.

Low oxygen levels and hard coating on seeds both inhibit seed germination and cause dormancy. Light may cause dormancy or lead to germination in different cases. Thus, it depends on the seed.

Hence, option D is correct.

2.

A deficiency of ABA is associated with the absence of primary dormancy. High ABA content promotes seed dormancy. ABA is synthesized in the embryo and endosperm.

Hence, option B is correct.

3.

Induced dormancy is also known as acquired dormancy. This is part of secondary dormancy. It is due to physiological changes like change in temperature, moisture and oxygen levels. This type may persist even after the environmental conditions have altered.

Hence, option C is correct.

4.

Life Cycle	Definition	Examples
Annual	Weed species that completes its life cycle (seed to seed) within one growing season or one calendar year	redroot pigweed, Kochia
Summer Annual	Summer annual weeds are a subcategory of annual weeds. They germinate as temperatures rise in the spring (April to May) through summer, whenever soil moisture is adequate.	redroot pigweed, common lambsquarters, green foxtail, Russian thistle,
Winter Annual	Winter annual weeds germinate in the fall through early spring (October to March), when soil temperature and moisture are favorable.	downy brome, shepherd's-purse
Biennial	Weed species that completes its life cycle over two growing seasons.	wild carrot, common mullein, musk thistle
Perennial	Weed that continues to regrow over a few seasons to many seasons.	johnsongrass, buckhorn plantain, sagebrush
Creeping Perennial	Perennial weeds with vegetative structures (stolons or rhizomes) that permit them to reproduce asexually (without seed).	field bindweed, quackgrass, Canada thistle

Weed species that completes its life cycle over two growing seasons is a biennial weed. Eg: wild carrot, common mullein, musk thistle.

Hence, option A is correct.

5.

Obligate weeds occur only on land that has been cultivated and not in wild form.

Eg: *Chenopodium*, *Convolvulus arvensis*.

Hence, option D is correct.

6.

The seeds of satellite weeds are difficult to separate once they get mixed with the crop seeds. Eg: Argemone Mexicana, wild rice, chicory.

Hence, option B is correct.

7.

Parabiological control is when weeds are controlled by insects.

Hence, option C is correct.

8.

Option A is a selective soil application herbicide.

Options C and D are non selective contact herbicides applied on foliage.

Option E is a non selective soil application fumigant.

Only option C is an example of a selective translocated herbicide which is applied on foliage.

Hence, option B is correct.

9.

I is incorrect as these herbicides are also known as systemic herbicides.

Both II and III are correct.

Hence, option D is correct.

10.

A contact herbicide impacts the growth of only some plants while having little or no impact on others.

Eg: Diquat, Paraquat.

Hence, option A is correct.



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