

NEET STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION — PLANT BREEDING FOR DISEASE AND PEST RESISTANCE — PYQS

Max. Marks: 24

Questions: 6

Section A (MCQ) — 6 questions

Q.1 Mutations in plant cells can be induced by :

[NEET (UG) 2021]

- (1) Zeatin (2) Kinetin
(3) Infrared rays (4) Gamma rays

Scan or tap for the
full solution



Q.2 'Himgiri' developed by hybridisation and selection for disease resistance against rust pathogens is a variety of :

[AIPMT 2011 (Prelims)]

- (1) Chilli (2) Sugarcane
(3) Wheat (4) Maize

Scan or tap for the
full solution



Q.3 Which one of the following is linked to the discovery of Bordeaux mixture as a popular fungicide?

[AIPMT 2008]

- (1) Downy mildew of grapes
(2) Bacterial leaf blight of rice
(3) Loose smut of wheat
(4) Black rust of wheat

Scan or tap for the
full solution



Q.4 Consider the following four measures (i-iv) that could be taken to successfully grow chickpea in an area where bacterial blight disease is common:

- (i) Spray with Bordeaux mixture
(ii) Control of the insect vector of the disease pathogen
(iii) Use of only disease-free seeds
(iv) Use of varieties resistant to the disease

Which two of the above measures can control the disease?

[AIPMT 2008]

- (1) (i) and (ii) (2) (i) and (iv)
(3) (ii) and (iii) (4) (iii) and (iv)

Scan or tap for the
full solution



Q.5 Crop plants grown in monoculture are-

[AIPMT 2006]

- (1) Characterised by poor root system
(2) Highly prone to pests
(3) Low in yield
(4) Free from intraspecific competition

Scan or tap for the
full solution



Q.6 Which of the following is generally used for induced mutagenesis in crop plants ? [AIPMT 2005]

- (1) UV (260 nm)
(2) Alpha particles
(3) Gamma rays (from cobalt-60)
(4) X-rays

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6					
Ans.	4	3	1	2	2	3					