

# PYQSide

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

Max. Marks: 24

Questions: 6

### Section A (MCQ)

**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 |  |  |  |  |  |