

JKBOSE PATTERN TEST PAPER CLASS - XII SUBJECT BOTANY



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TIME : 90 Minutes**MAX. MARKS : 35****GENERAL INSTRUCTIONS:**

This question paper contains four sections:

- i. Section -A contains 5 Very Very Short Answer Type Questions of 1 mark each. $1 \times 5 = 5$ marks
- ii. Section- B contains 5 Very Short Answer Type Questions of 2 marks each to be answered in 20 to 30 words. $2 \times 5 = 10$ marks
- iii. Section - C contains 5 Short Answer Type Questions of 3 marks each to be answered in 100 to 150 words. $3 \times 5 = 15$ marks
- iv. Section - D contains I Long Answer Type Questions of 5 marks each to be answered in 150 to 200 words. $5 \times 1 = 5$ marks

SECTION -A

1. Fruits have:
a) Pericarp and flesh
b) Pericarp and seeds
c) Pericarp, mesocarp and endocarp
d) Pericarp and ovule
2. _____ incompatibility prevents cross pollination.
a) Intraspecific
b) Self
c) Interspecific
d) Out breeding
3. Nitrogen base not found in DNA is:
a) Uracil
b) Adenine
c) Guanine
d) Thymine
4. The term Ecosystem was coined by:
a) Warming
b) Odum
c) Tansley
d) Ernst Haeckel
5. Conversion of nitrates to nitrogen is called:
a) Ammonification
b) Nitrification
c) Nitrogen fixation
d) Denitrification

SECTION B

6. Difference between Autogamy and Geitonogamy.
7. What is pleiotropic gene?
8. What are ecological pyramids? Draw pyramid of energy.
9. Name any two Bio-fertilizers.
10. What is red data book?

TIME : 90 Minutes**MAX. MARKS : 35****SECTION C**

11. Differentiate between Apomixes and Parthenogenesis.
12. Write a brief account on incomplete dominance.
13. Distinguish between DNA and RNA.
14. What are Bt. Crops? List any two.
15. What are somatic hybrids? Give an example.

SECTION D

16. Define hotspots of biodiversity. Name hotspots found in Indian sub-continent.

OR

Define Ecological pyramid. Explain different types of Pyramids.