

6. Answer the following in about 200 words each :
- (a) What are synthetic pyrethroids ? Explain their mode of action. 20
 - (b) Differentiate stress from strain. Give an account of morphological adaptive changes in plants to survive drought situation. $4+16=20$
 - (c) Define oxidative phosphorylation and photophosphorylation. Distinguish between non-cyclic and cyclic electron transport process of photosynthesis. $4+16=20$
7. Answer the following in about 200 words each : $3 \times 20 = 60$
- (a) What are different types of entomogenous virus ? Describe in brief Nuclear Polyhydrosis Virus (NPV) and its merits and demerits in pest management.
 - (b) Discuss in brief the points to be considered for cost and return analysis in fruit cultivation.
 - (c) Define vinegar. Describe its classification and bring out the methods of its preparation.
8. Write short notes on the following in about 150 words each : $4 \times 15 = 60$
- (a) Molecular markers and transgenics.
 - (b) Insecticidal poisoning, symptoms and treatment.
 - (c) The influence of various spectrums of light on root development, stem growth and the maturity of fruit in fruit plants.
 - (d) Temperature induced injuries in fruits and vegetables.
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