

**School of Agriculture**

**Master of Science in Fruit Science  
Semester End Examination - Jun 2024**

**Duration : 180 Minutes  
Max Marks : 100**

**Sem II - A1PE204B - Growth and Development of Fruit Crops***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

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|-----|---|--------|
| 1)  | Name the external factors which affecting the plant growth  | K1(2)  |
| 2)  | Explain why Blackman's Optima and Limiting Factors are important on plant growth.                               | K2(4)  |
| 3)  | Outline the fruits which possess genetic parthenocarpy.   | K2(6)  |
| 4)  | Explain briefly how cytokinin are use in physiological processes.   | K3(9)  |
| 5)  | How to make use of Giberellin in plant phenology?   | K3(9)  |
| 6)  | Interpret how important abscissic acid (ABA) is on plants   | K5(10) |
| 7)  | Disntinguish synthetic plant growth regulators used commonly in agriculture.                                    | K4(12) |
| 8)  | Justify the importance of phenology in physiology and agronomy-related crop research.                           | K5(15) |
| 9)  | Determine the physiological effects of cytokinins on plant growth and development                               | K5(15) |
| 10) | Elaborate the variables influencing plant growth as well as the theories influencing plant growth restrictions. | K6(18) |