

School of Agriculture

**Bachelor of Science Honours in Agriculture
Semester End Examination - Jul 2024**

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

Sem II - A1UA206B - Fundamentals of Entomology**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

- 1) Compare the role of J. G. Koenig and H. S. Pruthi in Entomology? K1(2)
- 2) Explain the types of insect head position? K2(4)
- 3) Summarize the female reproductive system in insect with suitable diagramme? K2(6)
- 4) How insect develop the new cuticle? Explain the process of development of new cuticle in brief? K3(9)
- 5) Develop the process of blood circulation in insect? K3(9)
- 6) Evaluate the insect wing areas with the help of suitable diagramme? K5(10)
- 7) Analyze the difference between chewing and lapping type & Sponging type of mouth parts in insects? K4(12)
- 8) Conclude the wing coupling apparatus/ organs/ mechanism in insects? K5(15)
- 9) Assess the characteristics of order Dictyoptera and Odonata? K5(15)
- 10) Elaborate the characteristics of order Diptera and write down the comparative characters of Nematocera, Brachycera and Cyclorrhapha? K6(18)