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| QP CODE: D2BZL2504                                                                                                                                                                                                                  |                                                                                                                                             | Reg. No           | :        | ..... |
|                                                                                                                                                                                                                                     |                                                                                                                                             | Name              | :        | ..... |
| <b>Second Semester (FYUGP) Degree Examinations April 2026</b><br><b>(Regular/Improvement/Supplementary)</b><br><b>Multi-Disciplinary Courses (MDC)</b><br><b>ZOO2FM106(2) : APICULTURE &amp; SERICULTURE</b><br><b>(Credits: 3)</b> |                                                                                                                                             |                   |          |       |
| Time: 1.5 Hours                                                                                                                                                                                                                     |                                                                                                                                             | Maximum Marks: 50 |          |       |
| <b>Section A</b>                                                                                                                                                                                                                    |                                                                                                                                             |                   |          |       |
| <b>Answer the following questions. Each carries 2 marks (Ceiling: 16 marks)</b>                                                                                                                                                     |                                                                                                                                             |                   |          |       |
| 1.                                                                                                                                                                                                                                  | What are the common enemies of bees?                                                                                                        | BL1               | CO2      |       |
| 2.                                                                                                                                                                                                                                  | Comment on the behaviour of Queen.                                                                                                          | BL1               | CO1      |       |
| 3.                                                                                                                                                                                                                                  | What are the different types of bee products?                                                                                               | BL1               | CO4      |       |
| 4.                                                                                                                                                                                                                                  | Discuss the impact of apiculture on the rural economy of Kerala.                                                                            | BL2               | CO5      |       |
| 5.                                                                                                                                                                                                                                  | What is a rearing house?                                                                                                                    | BL1               | CO1      |       |
| 6.                                                                                                                                                                                                                                  | List out the major viral diseases affecting silkworms.                                                                                      | BL1               | CO6      |       |
| 7.                                                                                                                                                                                                                                  | What are the key differences between Pebrine and Muscardine diseases?                                                                       | BL2               | CO1, CO6 |       |
| 8.                                                                                                                                                                                                                                  | What are the common disinfectants used in silkworm rearing?                                                                                 | BL1               | CO4      |       |
| 9.                                                                                                                                                                                                                                  | Evaluate the present status of sericulture in Kerala and suggest ways to improve its growth and sustainability.                             | BL5               | CO1, CO5 |       |
| 10.                                                                                                                                                                                                                                 | Name four major employment sectors in sericulture.                                                                                          | BL1               | CO5      |       |
| <b>Section B</b>                                                                                                                                                                                                                    |                                                                                                                                             |                   |          |       |
| <b>Answer the following questions. Each carries 6 marks (Ceiling: 24 Marks)</b>                                                                                                                                                     |                                                                                                                                             |                   |          |       |
| 11.                                                                                                                                                                                                                                 | Summarize the social organization of honey bees.                                                                                            | BL2               | CO2      |       |
| 12.                                                                                                                                                                                                                                 | What are the basic requirements for Beekeeping?                                                                                             | BL1               | CO1, CO6 |       |
| 13.                                                                                                                                                                                                                                 | Analyze the role of each tool in ensuring the safety of beekeepers.                                                                         | BL4               | CO6      |       |
| 14.                                                                                                                                                                                                                                 | Analyze the historical development of sericulture from its origins in China to its spread through the Silk Route and worldwide expansion.   | BL1               | CO1      |       |
| 15.                                                                                                                                                                                                                                 | Describe the major steps involved in harvesting cocoons after spinning.                                                                     | BL1               | CO1, CO6 |       |
| <b>Section C</b>                                                                                                                                                                                                                    |                                                                                                                                             |                   |          |       |
| <b>Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)</b>                                                                                                                                                           |                                                                                                                                             |                   |          |       |
| 16.                                                                                                                                                                                                                                 | Explain the history and scope of Apiculture. Describe the features of different species of honey bees in India.                             | BL1               | CO1, CO2 |       |
| 17.                                                                                                                                                                                                                                 | Evaluate the challenges and opportunities for entrepreneurs in the sericulture industry. Suggest solutions for overcoming these challenges. | BL1               | CO4      |       |
| <b>CO : Course Outcome</b> <b>BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)</b>                                                                                     |                                                                                                                                             |                   |          |       |