

**B.Sc. SEM V (2018-2021)**

**Internal Examination, 2021**

**Paper: C-11**

**F.M = 3x5 = 15 marks**

**Answer any Three:**

**Q1. What is immunity? Describe innate & acquired immunity with examples.**

**Q2. Give a detail account on the types of immune cells & their function**

**Q3. Write an essay on primary lymphoid organs.**

**Q4. What is antibody? Describe its types, structure & function.**

**Q5. Write short notes on any two:**

- a) Secondary lymphoid organs**
- b) IgG & IgM**
- c) Macrophages**

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**Paper: C-12**

**F.M = 3x5 = 15 marks**

**Answer any Three:**

**Q1. Define cleavage. Describe in details about its types with examples.**

**Q2. Write an essay on Spermatogenesis OR Oogenesis**

**Q3. Explain fertilizing – anti-fertilizing reaction.**

**Q4. Explain the role of yolk in cleavage.**

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**Paper: P-5**

**F.M = 2x5 = 10 marks**

**Spotting:**

- a) 24 hours of chick embryology
- b) 36 hours of chick embryology
- c) T.S of Gastrula in frog embryonic development
- d) Tadpole
- e) T.S of thymus in Mammals

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**Paper: DSE 1**

**F.M = 3x5 = 15 marks**

**Answer any Three:**

**Q1. Describe the cast system in honey bee.**

**Q2. Write an essay on varieties of honey bee in India.**

**Q3. Give a detail account on disease of honey bee & their management.**

**Q4. Describe the different types of silk & silk worm found in India.**

**Q5. What are the beneficial products of honey bee?**

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**Paper: DSE 2**

**F.M = 3x5 = 15 marks**

**Answer any Three:**

**Q1. What is data? Describe primary & secondary data.**

**Q2. What is graphical distribution of data? Describe histograms with suitable example & diagram.**

**Q3. Describe Pie chart with example & diagram.**

**Q4. Explain central tendency & its types.**

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**Paper: DSE Practical**

**F.M = 2x5 = 10 marks**

**Explain:**

- a) Honey Comb
- b) Silk Cocoon
- c) Life cycle of Silk worm
- d) Drones
- e) Life cycle of honey bee