

**Yashwantrao Chavan College of Science, Karad.**

**B.Sc. Part III Semester VI**

**Paper- XV Applied Zoology - II**

**Question Bank –**

**Multiple choice questions**

1. The house of honey bee is termed as \_\_\_\_\_  
a. Nest b) Coral c) Hive d) Mound
2. \_\_\_\_\_ is commonly known as rock bee  
a. Apis indica b) Apis dorsata c) Apis florae d) Apis mellifera
3. Pure breed of Jamunapari is found in \_\_\_\_\_ district of Uttar Pradesh  
a. Lalitpur b) Bijnor c) Sonbhadra d) Etawah
4. Boer is a highly meat producing breed. It was developed from \_\_\_\_\_ country  
a. Zambia b) Congo c) Nigeria d) South Africa
5. \_\_\_\_\_ is a fertile female in honey bee colony  
a) Worker b) Queen c) Drone d) Both Worker and Queen
6. \_\_\_\_\_ breed of goat is highly milk producing breed in India  
a) Osmanabadi b) Marwadi c) Jamnapuri d) Black Bengal
7. Bee wax is secreted by the dermal glands of the abdominal segments \_\_\_\_\_  
a) 4th & 5th b) 4th & 6th c) 4th & 7th d) 4th & 8th
8. \_\_\_\_\_ is the exotic breed of goat  
a) Jamnapuri b) Beetle c) Sannen d) Osmanabadi
9. If more than single species of fish is cultured at a time, then it is called \_\_\_\_\_  
a) Monoculture b) Aquaculture c) Polyculture d) Moriculture
10. Induced breeding technique is used in \_\_\_\_\_  
a) Marine fishery b) Culture fishery c) Inland fishery d) Capture fishery
11. \_\_\_\_\_ is developed from unfertilized egg  
a) Worker b) Drone c) Queen d) Both Worker and Queen
12. The largest cell in the honey comb is \_\_\_\_\_  
a) Worker cell b) Drone cell c) Queen cell d) Pollen and honey cell

13. Sting apparatus and wax glands are totally absent in \_\_\_\_\_  
a) Worker b) Drone c) Queen d) Both Worker and Queen
14. \_\_\_\_\_ pearl is rare  
a) White b) Cream c) Pink red d) Rainbow colour
15. \_\_\_\_\_ is the freshwater species of prawn  
a) *Scylla serrata* b) *Mugil cephalus* c) *Macrobrachium rosenbergi* d) *Labeo rohita*
16. Prawn belongs to the class \_\_\_\_\_  
a) Crustacean b) Annelida c) Coelentrata d) Echinodermata
17. One of the cast that fed on Royal jelly throughout their life span is \_\_\_\_  
a) Worker b) Drone c) Queen d) Both Worker and Queen
18. In typical movable hive, queen excluder is kept in between \_\_\_\_\_  
a) Super and Brood chamber b) Top cover and inner cover  
c) Inner cover and super d) Brood chamber and bottom board
19. The pearl bed which produces best quality is known as \_\_\_\_  
a) Lingha pearl b) Muktapthal c) Kusum d) None of the above
20. Pearl is secreted by \_\_\_\_\_  
a) Nacreous layer b) Prismatic layer c) Mantle layer d) Both a and b
21. The composition of pearl is very much similar to that of \_\_\_\_\_  
a) Mantle layer b) Nacreous layer only c) Prismatic layer only d) Both b & c
22. \_\_\_\_\_ is found to be the best for apiculture practice  
a) *Apis dorsata* b) *Apis indica* c) *Apis mellifera* d) *Apis florea*
23. Nature of honey is \_\_\_\_\_  
a) Acidic b) Alkaline c) Neutral d) Turns basic after a few days
24. Rathi is a famous breed of \_\_\_\_\_  
a) Buffalo b) Cow c) Goat d) Pig
25. \_\_\_\_\_ exotic cattle breed has the highest average milk yield  
a) Jersey b) Holstein Friesian c) Brown Swiss d) Red Dane

26. \_\_\_\_\_ is/are Indigenous draught breed of cattle  
a) Hallikar b) Amritmahal c) Khilari d) All of these
27. Bee dance is also known as \_\_\_\_\_  
a) Western dance b) Flee dance c) Happy dance d) Waggle dance
28. The Langstroth bee hive is a \_\_\_\_\_ bee hive  
a) Vertical b) Horizontal c) Mix of both d) None of the above
29. \_\_\_\_\_ is the role of a drone bee  
a) Attacking on enemies b) To protect bee hive  
c) Both a and b d) To mate with virgin queen
30. The native place of brown Swiss is \_\_\_\_\_  
a) Lancashire b) Wales c) Scotland d) Switzerland

### Long answer question

1. Define apiculture. Give an account of the different casts of honey bees.
2. Describe the methods of bee keeping
3. Describe the bee keeping equipments
4. Explain in detail the housing and feeding of goat
5. Describe the housing patterns as per the age groups of goats in details
6. Give an account of dual purpose breeds of goats
7. Define apiculture and explain in detail species of honey bees used in apiculture.
8. Describe in detail Newton and Langstroth model used in Apiculture.
9. Describe the indigenous and exotic breeds of cattle
10. Give an account of milk products
11. Advantages of artificial insemination
12. Synchronization of estrus in cattle
13. Explain in brief induced breeding in freshwater fishes
14. Describe in details the preparation and management of nursery pond
15. Explain any two indigenous and two exotic breeds of goat

16. Describe in brief the phenomenon of pearl formation in natural and artificial condition
17. Describe the preservation and processing of prawn.

### **Short answer question**

1. Economic importance of honey
2. Medicinal value of honey
3. Indigenous buffalo breeds
4. Species of honey bees
5. Casts of honey bees
6. Harvesting and stocking ponds in fish culture
7. Jamnapari breed of Goat
8. Bee keeping instruments
9. Induction of early puberty in cattle
10. Estrous synchronization in cattle
11. Semen preservation
12. Commercial importance of dairy farming
13. Preparation of rearing ponds in fish culture
14. Harvesting and stocking ponds in fish culture
15. Estrous synchronization in cattle
16. Semen preservation
17. Commercial importance of dairy farming
18. Economic importance of pearl
19. Jamnapari breed of Goat Osmanabadi breed of Goat
20. Saanen breed of goat
21. Economic importance of honey

Seat No.	
-------------	--

**B.Sc. (Part-III) (Semester-VI) (New) Examination, April - 2018  
(New)**

**ZOOLOGY**

**Applied Zoology (Paper-XVI)**

**Sub. Code : 65856**

**Day and Date : Friday, 13-04-2018**

**Total Marks : 40**

**Time : 3.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Neat labeled diagrams must be drawn wherever necessary.

**Q1) Select the correct alternative from the given options and rewrite the sentence.**

**[8]**

- a) The ink gland is found in \_\_\_\_\_
  - i) lobster
  - ii) mussel
  - iii) prawn
  - iv) sepia
- b) Fin fishes are used for the preparation of \_\_\_\_\_
  - i) soups
  - ii) honey comb
  - iii) purse
  - iv) cakes
- c) \_\_\_\_\_ is the craft (boat)
  - i) Machwa
  - ii) Irgali
  - iii) Dol
  - iv) Veesuvala
- d) The house of honey bee is termed as \_\_\_\_\_
  - i) Nest
  - ii) Hive
  - iii) Coral
  - iv) None of the above
- e) \_\_\_\_\_ is the fresh water species of prawn.
  - i) Macrobrachium rosenburgi
  - ii) Panaeus idicus
  - iii) Metapeeus monoceros
  - iv) Parapenaeopsis stylifera

**P.T.O.**

- f) \_\_\_\_\_ is the pest of old books.
- |                |                  |
|----------------|------------------|
| i) Silver fish | ii) Woolly aphid |
| iii) Jassids   | iv) Cockroach    |
- g) In butter, the percentage of fat is \_\_\_\_\_
- |          |         |
|----------|---------|
| i) 60%   | ii) 65% |
| iii) 71% | iv) 83% |
- h) \_\_\_\_\_ is not the breed of goat.
- |               |              |
|---------------|--------------|
| i) Jamanapuri | ii) Bar-bari |
| iii) Rath     | iv) Beetal   |

**Q2)** Attempt any two of the following. [16]

- a) What is fish farming? Describe the Construction and maintenance of fish farming.
- b) Describe the methods of bee keeping.
- c) Give an account of milk products.

**Q3)** Attempt any four of the following. [16]

- a) Give economic importance of lobster.
- b) Explain the nature of damage of woolly aphids.
- c) Give economic importance of poultry farming.
- d) What are the applications of vermiculture.
- e) Give the importance of prawn culture.
- f) Explain the indigenous breeds of goat.

