



# BIOLOGY

## BOOKS - CENGAGE BIOLOGY

### ANIMAL HUSBANDRY

#### Mandatory Exercise Exercise Set I

1. What is the main purpose of the following ?

(a) Dairybreeds:\_\_\_\_\_.

(b) Draughtbreeds:\_\_\_\_\_.



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2. What is lactation period ?

Mention the lactation period of the following breeds :

(a) Sahiwal: \_\_\_\_\_.

(b) Ongole: \_\_\_\_\_.

(c) Murrah: \_\_\_\_\_.

(d) Holstein - Friesian: \_\_\_\_\_.



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3. Give two example for each : -

Breeds	Exotic	Indigenous
Cow	_____	_____
Poultry	_____	_____



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4. What is the basic difference between the following sets of foods ?

Set A : Green fodder , hay silage .

Set B: Maize , oats , barely , jowar.



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5. Why are additives ( in addition to roughage and concentrates ) important for the growth of dairy animals?

Name two additives .



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6. Give three suggestions to improve the health and hygiene of cows and buffaloes .



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7. Below are the list of fowls . Classify them according to the utility .

Ancona, Aseel , Brahma , Plymouth Rock, Leghorn, Minorca, Rhode Island Red.



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8. Explain why milk is considered a complete food.



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**9.** Write the scientific name the following :

(a) Ox.

(b) Buffalo :

(c ) Domestic fowl :



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**10.** (a) List two cross - breeds of cattle and poultry .

Cattle : \_\_\_\_\_.

Poultry : \_\_\_\_\_.





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11. What are the reasons for performing cross - breeding programmes in polutry farming ?



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## Mandatory Exercise Exercise Set li

1. Define the following .

Mariculture



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2. Define the following .

Apiculture



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3. Define the following .

Sericulture



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4. Define the following .

Vermiculture



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5. Differentiate between the following .

Capture fishery and culture fishery.



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**6. Differentiate between the following .**

Monoculture and polyculture fish farming .



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**7. Differentiate between the following .**

Stifling and reeling .



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**8. Stage in culture fishery are .**

A. adult → spawn → fingerling → fry .

B. fry → fingerling → spawn → adult

C. hatchling → fingerling → spawn

D. spawn → hatchling → fry →  
fingerling → adult .

**Answer: D**



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9. (a) Name four sea- food items other than fish.

(b) Name two varieties of Indian fish.

Freshwater : \_\_\_\_\_.

Marine water : \_\_\_\_\_.



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10. How is aquaculture different from commercial fishing?



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**11.** An Italian bee variety *A. mellifera* has been introduced in India for honey production.

Write about its merits over other varieties.



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**12.** What is pasturage ? Mention its significance in apiculture .



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**13.** What is pasturage ? Mention its significance in apiculture.



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**14.** Silk is a product of

- A. cuticle of larva
- B. cuticle of adult
- C. salivary gland of larva
- D. salivary gland of adult

**Answer: C**



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**15.** This question consists of two statements each assertion (A) and reason ( R) . To answer this question mark the correct alternative as directed below .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true, but R is not the correct explanation A.

C. If A is true but R is false .

D. If both A and R are false .

**Answer: C**



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**16.** In a certain techniques , the developing embryo from a superior breed is removed and



transferred into another female of inferior characters. Name this technique .



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**17.** What is royal jelly? How does it differ from bee bread ?



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**18.** Give three advantages of artificail insemination .



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## Consolidated Exercise

1. Give reasons for the following:

Why are wrestlers and sportsmen recommended to have eggs, meat, and fish as a part of their diet?



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2. Give reasons for the following:

Cows A and B are of the same breed. Cow A is feed on grass and cow B is feed on maize, grass, barley, etc. Which do you expect to give a higher quantity of milk?



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3. Give reasons for the following:

Earthworms are called 'friends of farmers.'



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#### 4. Give reasons for the following:

Chicken A is (all chicken in reference are of same variety egg laying) exposed to very bright sunlight, chicken B is kept inside a dark building, and chicken C is kept in a well-lighted building. Which chicken will have maximum laying output?



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5. Match the following with one or more than one correct answer:

Column A	Column B
(i) Ongole	(a) Developed by crossing brown Swiss and Sahiwal
(ii) Karan Swiss	(b) Developed by crossing Holstein-Friesian and Tharparkar
(iii) Karan Fries	(c) Good for draught purpose
(iv) Diseases in fishes	(d) Rinderpest
(v) Diseases in cattle	(e) Infectious pancreatic necrosis
(vi) <i>Philosamia ricini</i>	(f) Muga silk
(vii) <i>Antheraea assama</i>	(g) Good milk yielder
	(h) Eri silk
	(i) Haemorrhagic septicaemia
	(j) Developed at NDRI
	(k) Viral haemorrhagic septicaemia



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6. Match the following :

Column A	Column B
(i) <i>Nosema apis</i>	(a) New castle disease
(ii) <i>Aspergillus fumigatus</i>	(b) Nosema disease
(iii) <i>Borerelina virus</i>	(c) Pebrine
(iv) <i>Nosema bombycis</i>	(d) Grasserie
(v) <i>Paramyxovirus</i>	(e) Stonebrood



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7. Maximum milk yielding buffalo is

A. Nagpuri

B. Surti

C. Mehsana

D. Murrah

**Answer: D**



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**8. Lactation period is maximum in which breed**

A. Frieswal

B. Sahiwal

C. Holstein-Friesian

D. Karan Swiss

**Answer: C**



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**9. The largest land animal is :**

A. Camel

B. Elephant

C. Rhino



D. Python

**Answer: B**



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**10.** The fungus disease causing maximum death of poultry bird is

A. Coryza

B. Pullorum

C. Ricketts

D. Aspergillosis

**Answer: D**



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**11.** The method maximum used in cattle breeding is

A. Random mating

B. Artificial insemination

C. Controlled breeding

D. Super ovulation and embryo transfer

**Answer: B**



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**12.** Which of the following is the high milk yielding variety of cow ?

A. Holstein-Friesian

B. Dorset

C. Sahiwal

D. Red Sindhi

**Answer: A**



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**13. Wax glands of honey bee are present in :**

A. Queen

B. Drones

C. Workers

D. Both A and C

**Answer: C**



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**14.** Elephants are sought after for

A. skin

B. hair

C. meat

D. ivory

**Answer: D**



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15. Several embryos can be produced at a time in a single cow by the process of

- A. Hybridization
- B. Artificial insemination
- C. Embryo transfer
- D. Random mating

**Answer: C**



16. Rinderpest disease is found in

- A. Fishes
- B. Poultry
- C. Cattle
- D. Bee

**Answer: B**



17. The jersey bull used for cross breeding is an exotic variety from

A. England

B. Scotland

C. Switzerland

D. Holland

**Answer: A**



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**18.** Layers continue to produce eggs upto

A. 350 days

B. 425 days

C. 500 days

D. 600 days

**Answer: C**



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**19.** Bhutia is a breed of

A. Chicken

B. Goat

C. Sheep

D. Horse

**Answer: D**



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**20.** Animal husbandry is the scientific management of

- A. Animal breeding
- B. Animal livestock
- C. Rearing of animals
- D. All of the above

**Answer: D**



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**21.** Poultry fowl are susceptible to the following pathogens

A. Virus

B. Bacteria

C. Fungi

D. All of the above

**Answer: D**



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**22. Animal husbandry is not done for the**

A. Milk production

B. Agricultural work

C. Meat production

D. Egg production

**Answer: B**



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**23.** Ship of desert is

A. Elephant

B. Camel

C. Sheep

D. Goat

**Answer: B**



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**24.** Zoological name of honey bee is

A. *Apis indica*

B. *Panthera tigris*

C. *Homo sapiens*

D. Canis familiaris

**Answer: A**



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**25.** What is the pulse rate of buffalo per minute?

A. 16-18

B. 40-45

C. 40-60

D. 70-72

**Answer: B**



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**26.** Bee keeping is known as

A. Pearl culture

B. Pisciculture

C. Sericulture

D. Apiculture



**Answer: D**



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**27. Bombay duck is**

A. Fish

B. Prawn

C. Shell fish

D. Aquatic bird

**Answer: A**



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**28.** A milch breed of cow is

A. Haryana

B. Malvi

C. Kankrej

D. Sahiwal

**Answer: D**



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**29.** A draught breed of cattle is

A. Red Sindhi

B. Gir

C. Malvi

D. Hariana

**Answer: C**



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**30.** An exotic breed of cow is

A. Ongole

B. Friesian

C. Hallikar

D. Deoni

**Answer: B**



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**31. Hybrid breed of cattle is**

A. Sunandini

B. Holstein

C. Brown Swiss

D. Kankrej

**Answer: A**



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**32.** Estuarine fishery is developed in

A. Lagoons

B. Mangroves

C. Estuaries

D. All of the above

**Answer: D**



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**33.** Australorp is a poultry breed belonging to

A. England

B. America

C. Australia

D. Austria

**Answer: C**



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34. Eggs of chicken are incubated at

A.  $10^{\circ} C$

B.  $24^{\circ} C$

C.  $37^{\circ} C$

D.  $45^{\circ} C$

**Answer: C**



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**35.** Indigenous poultry breed which is also the best table bird is

A. Ghagus

B. Brahma

C. Busra

D. Aseel

**Answer: D**



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**36.** Fish fry refers to.

- A. Drying of fish
- B. Frying of fish
- C. Very young stage of fish
- D. Fins of fish

**Answer: C**



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37. Which of the following is the disease of poultry birds?

A. Anthrax

B. Ranikhet

C. Candidiasis

D. Rinderpest

**Answer: B::C**



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## Olympiad And Ntse Level Exercise

1. This question consists of two statements each: assertion and reason. To answer this question, mark the correct alternative as directed below: Assertion: Cattle breeds can be improved by superovulation and embryo transplantation. Reason: Superovulation in high milk-yielding cows is induced by hormonal injection.

A. Assertion is True, Reason is True, Reason is a correct explanation for Assertion.

B. Assertion is True, Reason is True, Reason is NOT a correct explanation for Assertion.

C. Assertion is True, Reason is False.

D. Assertion is False, Reason is True.

**Answer: B**



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2. The secretion from the abdominal glands of the worker bee is

A. honey

B. nectar

C. beeswax

D. lac

**Answer: C**



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**3.** Fishmeal is used as in

A. animal feed

B. manufacture lubricants

C. preparation of cakes

D. medicine

**Answer: A**



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4. Which fo the following is / are not a draught breed(s) ?

A. Kangayam

B. Sahiwal

C. Kankrej

D. Hallikar

**Answer: B::C**



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5. Choose the odd one out.

A. Anthrax bacterial diseases

B. Muscardine fungal disease

C. Flacherie viral disease

D. Aspergillosis bacterial disease

**Answer: C::D**



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6. Which one of the following is/are an infectious disease(s) of the cattle?

A. Constipation

B. Cowpox

C. Foot and mouth disease

D. Diabetes

**Answer: B::C**



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7. The fish cultured in freshwater is

A. rohu

B. oysters

C. lobster

D. Wallago

**Answer: A::D**



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**8.** Identify the incorrect statement from the following.

A. Marine fish capture is done by fishing nets guided by echosounders and satellites

B. Little Bee is *Apis florea*.

C. Frieswal breed of cow has been produced by crossing Holstein-Friesian and Tharparker varieties.

D. Rice weevil is a stored grain pest.

**Answer: C**



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**9. Match the following and choose the correction options from the following.**

**Column I**

- (a) Catla
- (b) Rohu
- (c) Mrigal feeders
- (d) Fish farming

**Column II**

- (p) Bottom feeders
- (q) Surface feeders
- (r) Middle-zone
- (s) Culture fishers

A. (a)-r, (b)-s, (c)-q, (d)-p

B. (a)-r, (b)-p, (c)-s, (d)-q

C. (a)-s, (b)-p, (c)-s, (d)-r

D. (a)-q, (b)-r, (c)-p, (d)-s

**Answer: D**



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**Challenging Exercise**

1. Give one example of an Indian and foreign poultry breed which when crossed an improved variety. List any one desirable trait expected from such cross breeding.



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2. How does infectious disease differ from non - infectious disease ? Describe any one of the non - infectious diseases of cattle in detail ?



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**3.** Mariculture is the farming of aquatic plants and animals in salt water . Which are the major categories of mariculture species ?



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