



# BIOLOGY

## BOOKS - ARIHANT PUBLICATION

### PRACTICE SET 2

#### Question Bank

1. Match the following columns and choose the correct code.

Column I	Column II
A. Adipose tissue	1. Nose
B. Stratified epithelium	2. Blood
C. Hyaline cartilage	3. Skin
D. Fluid connective tissue	4. Fat storage

A. **Codes**  

A	B	C	D
(1)	1	2	3 4
(2)	3	1	4 2

A	B	C	D
(2)	4	3	1 2
(4)	2	1	4 3

B. **Codes**  

A	B	C	D
(1)	1	2	3 4
(3)	3	1	4 2

A	B	C	D
(2)	4	3	1 2
(4)	2	1	4 3

C. **Codes**  

A	B	C	D
(1)	1	2	3 4
(2)	3	1	4 2

A	B	C	D
(2)	4	3	1 2
(4)	2	1	4 3

D. **Codes**  

A	B	C	D
(1)	1	2	3 4
(2)	3	1	4 2

A	B	C	D
(2)	4	3	1 2
(4)	2	1	4 3

**Answer: B**



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2. Which initiated study in population genetics

A. Hardy-Weinberg law

B. Lamarckism

C. Darwinism

D. Palaeontology

**Answer: A**



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3. Renin is released by

A. cortical nephrons

B. collecting duct

C. juxtaglomerular apparatus

D. pelvis

**Answer: C**



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4. Which of the following are acquired diseases?

I. Kala azar

II. Haemophilia

III. AIDS

IV. Albinism

A. I, II and III

B. I and II

C. II and III

D. I and III

**Answer: D**



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5. Companion cells are usually seen associated with

A. fibers

B. tracheids

C. vessels

D. sieve tubes

**Answer: D**



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6. Lysine rich maize variety is

A. Protina

B. Rattan

C. Shakti

D. All of these

**Answer: D**



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7. Certain carbonates and phosphates are removed by

A. skin

B. liver

C. kidneys

D. None of these

**Answer: D**



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8. Excretory product of spider is

A. uric acid

B. ammonia

C. guanine

D. urea

**Answer: C**



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9. Given below are Assertion and Reason. Point out correct option.

Assertion (A) Syphilis spreads by sexual intercourse with infected persons.

Reasons (R) Syphilis is caused by bacterium, *Treponema pallidum*.

A. Both Assertion and Reason are true and

Reason is the correct explanation of the

Assertion

B. Both Assertion and Reason are true, but Reason is not the correct explanation of the Assertion

C. Assertion is true, but Reason is false

D. Both Assertion and Reason are false

**Answer: B**



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**10.** Which one of the following statements is not true?

A. Exine of pollen grains is made up of sporopollenin

B. Pollen grains of many species is cause severe allergies

C. Stored pollen in liquid nitrogen can be used in the crop breeding programmes

D. Tapetum helps in the dehiscence of  
anther

**Answer: D**



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**11.** Which one of the following characteristics  
is not shared by birds and mammals ?

A. Breathing using lungs

B. Viviparity

C. Warm blooded nature

D. Ossified endoskeleton

**Answer: B**



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**12.** Which one of the following cell organelles is enclosed by a single membrane

A. Chloroplasts

B. Lysosomes

C. Nucleus

D. Mitochondria

**Answer: B**



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**13.** Analogous structures are a result of

A. Convergent evolution

B. shared ancestry

C. stabilising selection

D. divergent evolution

**Answer: A**



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**14.** In bryophytes and pteridophytes transport of male gametes requires

A. insects

B. birds

C. water



D. wind

**Answer: C**



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**15.** Which one of the following statements is wrong?

A. Golden algae are also called desmids

B. Eubacteria are also called false bacteria

C. Phycomycetes are also called algal  
fungal

D. Cyanobacteria are also called blue-green  
algae

**Answer: B**



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**16.** Which of the following would appear as the  
pioneer organisms on bare rocks?

A. Liverworts

B. Green algae

C. Lichens

D. Mosses

**Answer: C**



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**17.** In the stomach, gastric acid is secreted by  
the

A. parietal cells

B. peptic cells

C. acidic cells

D. gastrin secreting cells

**Answer: A**



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**18.** Read the following statements and choose the correct option: br A. Diatomaceous earth is formed by the siliceous shells of diatoms br

B. Diatoms are microscopic & float passively in water currents

A. I, II and III

B. I and II

C. II and IV

D. I and III

**Answer: D**



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19. Changes in GnRH pulse frequency in females is controlled by circulating levels of

- A. oestrogen and inhibin
- B. progesterone
- C. progesterone and inhibin
- D. oestrogen and progesterone

**Answer: D**



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20. Mitochondria and chloroplast are

(a) Semi-autonomous organelles

(b) Formed by division of pre-existing organelles and they contain DNA but lack protein synthesizing machinery

Which one of the following options is correct

A. II is true, but I is false

B. Both I and II are false

C. I is true, but II is false

D. Both I and II are correct

**Answer: C**



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**21.** Reduction in "pH" of blood will

A. reduce the blood supply to the brain

B. decrease the affinity of haemoglobin  
with oxygen

C. release bicarbonates ions by the liver

D. reduce the rate of heartbeat



Answer: B



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22. Match the following columns.

Column I	Column II
A. <i>Leishmania donovani</i>	1. Malaria
B. <i>Wuchereria</i>	2. Amoebiasis
C. <i>Trypanosoma</i>	3. Sleeping sickness
D. <i>Entamoeba</i>	4. Filariasis

A. 

Codes			
A	B	C	D
(1)	3	4	1 2
(3)	4	3	2 1

A B C D			
(2)	3	4	2 1
(4)	3	2	1 4

B. 

Codes			
A	B	C	D
(1)	3	4	1 2
(3)	4	3	2 1

A B C D			
(2)	3	4	2 1
(4)	3	2	1 4

C. 

Codes			
A	B	C	D
(1)	3	4	1 2
(3)	4	3	2 1

A B C D			
(2)	3	4	2 1
(4)	3	2	1 4

D. 

Codes			
A	B	C	D
(1)	3	4	1 2
(3)	4	3	2 1

A B C D			
(2)	3	4	2 1
(4)	3	2	1 4

**Answer: A**



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**23.** Match the following and choose the correct code

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A. 

Codes			
A	B	C	D
(1)	4	5	1 2
(3)	4	5	3 1

A B C D			
(2)	3	4	2 1
(4)	4	2	1 2

B. 

Codes									
A	B	C	D	A	B	C	D		
(1)	4	5	1	2	(2)	3	4	2	1
(3)	4	5	3	1	(4)	4	2	1	2

C. 

Codes									
A	B	C	D	A	B	C	D		
(1)	4	5	1	2	(2)	3	4	2	1
(3)	4	5	3	1	(4)	4	2	1	2

D. 

Codes									
A	B	C	D	A	B	C	D		
(1)	4	5	1	2	(2)	3	4	2	1
(3)	4	5	3	1	(4)	4	2	1	2

**Answer: A**



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**24.** Assertion (A) Analogous organs show common ancestry.

Reason (R) Analogous organs show evolution.

- A. Both Assertion and Reason are true and Reason is the correct explanation of the Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of the Assertion
- C. Assertion is true, but Reason is false
- D. Both Assertion and Reason are false

**Answer: D**



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**25.** Read the following statements and choose the correct option .

The pills mostly used for birth control contains

I. oestrogen

II. progesterone

III. prolactin

IV. cholecystokinin

Codes

A. I, II and III

B. I and II

C. II and IV

D. I and III

**Answer: B**



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