



BIOLOGY

BOOKS - ARIHANT PUBLICATION

PRACTICE SET -1

Question Bank

1. Which one of the following statement is wrong?

- A. Algae increases the level of dissolved oxygen in the immediate environment
- B. Algin is obtained from red algae and carrageenan from brown algae
- C. agar-agar is obtained from gelidium and gracilaria
- D. Laminaria and sargassum are used as food

Answer: B



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2. Which one of the following is wrong for fungi

A. They are eukaryotic

B. All fungi possess a purely cellulosic cell wall

C. They are heterotrophic

D. They are both unicellular and multicellular

Answer: B



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3. Sympatric speciation develops reproductive isolation without

- A. geographic barrier
- B. barrier to mating
- C. barrier to gene flow
- D. genetic change

Answer: A



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4. Foot and mouth disease of animals is caused by

A. bacterium

B. protozoan

C. virus

D. worm

Answer: C



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5. Plant in which chromosomal basis of sex determination was discovered first is

A. Rumex

B. Melandrium

C. coccinia

D. Sphaerocarpus

Answer: B



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6. Match the following column and choose the correct code

Column I	Column II
A. Cerebrum	1. Controls the pituitary
B. Cerebellum	2. Controls the vision
C. Hypothalamus	3. Controls the rate of heartbeat
D. Midbrain	4. Seat of Intelligence
	5. Maintains body posture

A.

Codes

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

Codes

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

B.

Codes

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

Codes

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

C.

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

D.

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

Answer: D



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7. Largest ear ossicle is

A. incus

B. stapes

C. malleus

D. stapedial plate

Answer: C



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8. Hormones of pituitary gland are

A. all steroids

B. all proteins

C. some steroids and some proteins

D. complex substances formed from
proteins steroids , carbohydrates

Answer: B



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9. Differentiation of callus into plant parts is

A. embryogenesis

B. embryoid formation

C. morphogenesis

D. totipotency

Answer: C



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10. Macula lutea is part of

A. optic nerve

B. sclerotic

C. choroid

D. retina

Answer: D



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11. Alveoli are unable to receive full oxygen due to flapping of tracheal and bronchial vessels in
in

A. bronchitis

B. asthma

C. emphysema

D. pneumonia

Answer: B



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12. Immunodeficiency can result from

A. gene mutation

B. infection

C. malnutrition

D. All of these

Answer: D



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13. Antibiotic useful in treatment is anthrax is

A. penicillin

B. chloramphenicol

C. ciprofloxacin

D. erythromycin

Answer: C



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14. The kidneys not only remove the waste products from the blood but also play a very important role in maintaining

A. equilibrium of the body

B. temperature of the body

C. constant composition of the blood

irrespective of nature of the food and
fluid intake

D. constant blood pressure

Answer: C



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15. Given below are Assertion and Reason

Assertion (A) fishes respire through gills .

Reason (R] counter current flow occurs in gills

point out the correct option.

A. Both assertion and reason are true and reason is the correct explanation of assertion

B. Both assertion and reason are true and reason is not the correct explanation of assertion

C. Assertion is true but reason is false

D. Both assertion and reason are false

Answer: A



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16. The three secretion meeting the food in small intestine are

A. bile , pancreatic , juice and intestinal juice

B. pancreatic juice intestinal juice and gastric juice

C. bile pancreatic juice and gastric juice

D. Bile gastric juice and saliva

Answer: A



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17. An inexhaustible resource is

A. wind power

B. soil fertility

C. wildlife

D. All of these

Answer: A



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18. Gas being produced by paddy fields and involved in global warming is

A. chlorine

B. methane

C. CO_2

D. H_2S

Answer: B



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19. Protein found in eye lens is

A. collagen

B. rhodopsin

C. crystalline

D. opsin

Answer: C



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20. In kyoto protocol, all nations agreed to reduce emission of green house gases by

A. 2008

B. 2010

C. 2012

D. 2018

Answer: A



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21. Anatomical barrier to disease is

A. skin

B. mucous membrane

C. mucus and cilia

D. All of these

Answer: D



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22. Match the columns and choose the correct code.

Column I	Column II
A. Earthworm	1. Moist cuticle
B. Aquatic arthropods	2. Gills
C. Fishes	3. Lungs
D. Birds	4. Trachea

A.

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

B.

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

C.

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

D.

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

Answer: B



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23. Which can be the trophic level of a lion in a forest ecosystem ?

A. T_3

B. T_2

C. T_4

D. T_1

Answer: C



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24. Assertion: Oxynic cells are minor salivary glands.

Reason: Oxyntic cells stain strongly with eosin.

A. Both assertion and reason are true and reason is the correct explanation of assertion

B. Both assertion and reason are true and reason is not the correct explanation of assertion

C. Assertion is true but reason is false

D. Both assertion and reason are false

Answer: D



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25. Tubular reabsorption occurs in

I Proximal convoluted tubule.

II collecting ducts

III Loop of henle

IV Bowman's capsule

Choose the correct answer

A. I and IV

B. II and III

C. I and II

D. All of these

Answer: C



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