Code No: A109102303 **Set No. 1**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

I B.Tech. II Mid-Term Examinations, February – 2012

FUNDAMENTALS OF BIOLOGY

Objective Exam

Name: _____ Hall Ticket No. | | | | | | A | | | | |

Answer All Questions. All Questions Carry Equal Marks.Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Which category in the Arthropods have the largest number of organisms? [ ]
   a) insects b) crustaceans c) archinids d) none of the above

2. Echinodermata means [ ]
   a) spiny skinned b) ugly creatures c) spiky things d) none of the above

3. An alternative to a broad animal classification scheme based primarily on the dichotomy of protostimes and deuterostomes is one rooted in the absence or presence of particular kinds of [ ]
   a) antennae b) coeloms c) metamorphoses d) blood pigments

4. Genetic engineering involves [ ]
   a) conjugation b) cloning c) nucleotide synthesis d) Mutations

5. Cloning requires all of the following except [ ]
   a) donor DNA b) DNA ligase c) Vector d) methylases

6. DNA containing a genetic sequence that is to be cloned is referred to as [ ]
   a) vector DNA b) Donor DNA c) RFLP d) host DNA

7. Bacterial enzymes that cut DNA at specific sites within the DNA molecule are called [ ]
   a) exonucleases b) methylases c) transferases d) restriction endonucleases

8. Digestion is brought about by [ ]
   a) acids b) alkaline solutions c) enzymes d) vitamins and minerals

9. Digestion within a digestive tract is [ ]
   a) incomplete b) extracellular c) same as absorption d) an irreversible process

10. With regard to natural eating habits a human is [ ]
    a) an herbivore b) carnivore c) omnivore d) granivore

Cont....2

II Fill in the blanks

11. Plasma minus its clotting proteins is termed as _____

12 _____ is the breaking down of food into particles small enough to be absorbed by the lining of the digestive tract.

13. Primary consumers feed on _____

14. _____ is generally defined as the introduction of harmful materials to an ecosystem.

15. Chief regulators of the mammalian blood composition are the _____

16. The first hormone to be isolated was _____

17. _____ has a normal pH between 7.35 and 7.45 and is considered slightly alkaline

18. The most numerous white blood cells in a differential white blood cell count of a healthy individual are the _____ .

19. _____functions in transporting both oxygen and carbon dioxide and in regulating blood pressure .

20. The _____ of vertebrate nerves is particularly good conductor of electric current

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Code No: A109102303 **Set No. 2**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

I B.Tech. II Mid-Term Examinations, February – 2012

FUNDAMENTALS OF BIOLOGY

Objective Exam

Name: _____ Hall Ticket No. | | | | | | A | | | | |

Answer All Questions. All Questions Carry Equal Marks.Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Genetic engineering involves [ ]
   a) conjugation b) cloning c) nucleotide synthesis d) Mutations

2. Cloning requires all of the following except [ ]
   a) donor DNA b) DNA ligase c) Vector d) methylases

3. DNA containing a genetic sequence that is to be cloned is referred to as [ ]
   a) vector DNA b) Donor DNA c) RFLP d) host DNA

4. Bacterial enzymes that cut DNA at specific sites within the DNA molecule are called [ ]
   a) exonucleases b) methylases c) transferases d) restriction endonucleases

5. Digestion is brought about by [ ]
   a) acids b) alkaline solutions c) enzymes d) vitamins and minerals

6. Digestion within a digestive tract is [ ]
   a) incomplete b) extracellular c) same as absorption d) an irreversible process

7. With regard to natural eating habits a human is [ ]
   a) an herbivore b) carnivore c) omnivore d) granivore

8. Which category in the Arthropods have the largest number of organisms? [ ]
   a) insects b) crustaceans c) archinids d) none of the above

9. Echinodermata means [ ]
   a) spiny skinned b) ugly creatures c) spiky things d) none of the above

10. An alternative to a broad animal classification scheme based primarily on the dichotomy of protostimes and deuterostomes is one rooted in the absence or presence of particular kinds of [ ]
    a) antennae b) coeloms c) metamorphoses d) blood pigments

Cont....2

II Fill in the blanks

11. _____ is generally defined as the introduction of harmful materials to an ecosystem.

12. Chief regulators of the mammalian blood composition are the _____

13. The first hormone to be isolated was _____

14. _____ has a normal pH between 7.35 and 7.45 and is considered slightly alkaline

15. The most numerous white blood cells in a differential white blood cell count of a healthy individual are the _____ .

16. _____functions in transporting both oxygen and carbon dioxide and in regulating blood pressure .

17. The _____ of vertebrate nerves is particularly good conductor of electric current

18. Plasma minus its clotting proteins is termed as _____

19. _____ is the breaking down of food into particles small enough to be absorbed by the lining of the digestive tract.

20. Primary consumers feed on _____

-oOo-

Code No: A109102303 **Set No. 3**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

I B.Tech. II Mid-Term Examinations, February – 2012

FUNDAMENTALS OF BIOLOGY

Objective Exam

Name: _____ Hall Ticket No. | | | | | | A | | | | |

Answer All Questions. All Questions Carry Equal Marks.Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. DNA containing a genetic sequence that is to be cloned is referred to as [ ]
   a) vector DNA b) Donor DNA c) RFLP d) host DNA

2. Bacterial enzymes that cut DNA at specific sites within the DNA molecule are called [ ]
   a) exonucleases b) methylases c) transferases d) restriction endonucleases

3. Digestion is brought about by [ ]
   a) acids b) alkaline solutions c) enzymes d) vitamins and minerals

4. Digestion within a digestive tract is [ ]
   a) incomplete b) extracellular c) same as absorption d) an irreversible process

5. With regard to natural eating habits a human is [ ]
   a) an herbivore b) carnivore c) omnivore d) granivore

6. Which category in the Arthropods have the largest number of organisms? [ ]
   a) insects b) crustaceans c) archinids d) none of the above

7. Echinodermata means [ ]
   a) spiny skinned b) ugly creatures c) spiky things d) none of the above

8. An alternative to a broad animal classification scheme based primarily on the dichotomy of protostimes and deuterostomes is one rooted in the absence or presence of particular kinds of [ ]
   a) antennae b) coeloms c) metamorphoses d) blood pigments

9. Genetic engineering involves [ ]
   a) conjugation b) cloning c) nucleotide synthesis d) Mutations

10. Cloning requires all of the following except [ ]
    a) donor DNA b) DNA ligase c) Vector d) methylases

Cont....2

II Fill in the blanks

11. The first hormone to be isolated was _____

12. _____ has a normal pH between 7.35 and 7.45 and is considered slightly alkaline

13. The most numerous white blood cells in a differential white blood cell count of a healthy individual are the _____ .

14. _____functions in transporting both oxygen and carbon dioxide and in regulating blood pressure .

15. The _____ of vertebrate nerves is particularly good conductor of electric current

16. Plasma minus its clotting proteins is termed as_____

17. _____. is the breaking down of food into particles small enough to be absorbed by the lining of the digestive tract.

18. Primary consumers feed on _____

19. _____ is generally defined as the introduction of harmful materials to an ecosystem.

20. Chief regulators of the mammalian blood composition are the _____

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Code No: A109102303 **Set No. 4**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

I B.Tech. II Mid-Term Examinations, February – 2012

FUNDAMENTALS OF BIOLOGY

Objective Exam

Name: _____ Hall Ticket No. | | | | | | A | | | | |

Answer All Questions. All Questions Carry Equal Marks.Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Digestion is brought about by [ ]
   a) acids b) alkaline solutions c) enzymes d) vitamins and minerals

2. Digestion within a digestive tract is [ ]
   a) incomplete b) extracellular c) same as absorption d) an irreversible process

3. With regard to natural eating habits a human is [ ]
   a) an herbivore b) carnivore c) omnivore d) granivore

4. Which category in the Arthropods have the largest number of organisms? [ ]
   a) insects b) crustaceans c) archinids d) none of the above

5. Echinodermata means [ ]
   a) spiny skinned b) ugly creatures c) spiky things d) none of the above

6. An alternative to a broad animal classification scheme based primarily on the dichotomy of protostimes and deuterostomes is one rooted in the absence or presence of particular kinds of [ ]
   a) antennae b) coeloms c) metamorphoses d) blood pigments

7. Genetic engineering involves [ ]
   a) conjugation b) cloning c) nucleotide synthesis d) Mutations

8. Cloning requires all of the following except [ ]
   a) donor DNA b) DNA ligase c) Vector d) methylases

9. DNA containing a genetic sequence that is to be cloned is referred to as [ ]
   a) vector DNA b) Donor DNA c) RFLP d) host DNA

10. Bacterial enzymes that cut DNA at specific sites within the DNA molecule are called [ ]
    a) exonucleases b) methylases c) transferases d) restriction endonucleases

Cont....2

II Fill in the blanks

11. The most numerous white blood cells in a differential white blood cell count of a healthy individual are the _____ .

12. _____functions in transporting both oxygen and carbon dioxide and in regulating blood pressure .

13. The _____ of vertebrate nerves is particularly good conductor of electric current

14. Plasma minus its clotting proteins is termed as _____

15. _____ is the breaking down of food into particles small enough to be absorbed by the lining of the digestive tract.

16. Primary consumers feed on _____

17. _____ is generally defined as the introduction of harmful materials to an ecosystem.

18. Chief regulators of the mammalian blood composition are the _____

19. The first hormone to be isolated was _____

20. _____ has a normal pH between 7.35 and 7.45 and is considered slightly alkaline

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