TEST YOUR KNOWLEDGE
QUIZ
BIOTECHNOLOGY
1. Father of biotechnology is:
   
   a) Haberman  
   b) Alexander Fleming  
   c) Karoly Ereky  
   d) Wagner
2. Who discovered the cell?

a) Robert Hooke
b) Robert Crook
c) David Thomson
d) Marie Francois
3. Name of the outer most boundary of the cell?

a) Cytoplasm  
b) Nuclear membrane 
c) Plasma membrane 
d) None of the above
4. Name the organism which contains single chromosome and cell division occurs through fission or budding?

a) Eukaryotes
b) Prokaryotes
c) Bacteria
d) Primitive organisms
5. The smallest organelle of cell is:

a) Lysosomes
b) Mitochondria
c) Ribosomes
d) Centrioles
6. The jelly-like substance present inside the cell is known as:

a) Cytoplasm
b) Ectoplasm
c) Nucleoplasm
d) None of the above
7. Blue green algae are:

a) Prokaryotes
b) Eukaryotes
c) Both a) & b)
d) Neither a) nor b)
8. Mitotic division occurs in:

a) Gametic cells
b) Somatic cells
c) Both a) & b)
d) None of the above
9. Reduction division occurs to produce:

a) Liver cells
b) Nerve cells
c) Gametes
d) Muscle cells
10. Karyokinesis includes the division of:

a) Mitochondria
b) Nucleus
c) Cytoplasm
d) cell wall
11. Cytokinesis involves the division of:

a) Mitochondria
b) Nucleus
c) Cytoplasm
d) cell wall
12. Meiotic division takes place in:

a) Meristematic cells
b) Conductive cells
c) Vegetative cells
d) Reproductive cells
13. Continuous variations are due to

a) Mutations
b) Crossing over
c) Polyploidy
d) Chromosomal aberrations
14. Females carry the combination of sex chromosomes.

a) XX
b) AB
c) XY
d) YY
15. A sudden change in an organism's gene is:

a) Biodiversity
b) Mutation
c) Symbiosis
d) Taxonomy
16. The passing on of characteristics from parent to offspring is:

a) Genetics  
b) Fertilization  
c) Traits  
d) Heredity
17. The structure of DNA molecule is:

a) Multi-strand
b) Ladder
c) Double helix
d) Double vertex
18. The base pair rule states that:

a) Replication is semi conservative
b) A pairs with T; G pairs with C

c) DNA is double helix held together by hydrogen bonds
d) A pairs with G; T pairs with C
19. Production of antibiotics belongs to:

a) Green biotechnology
b) White biotechnology
c) Red biotechnology
d) Grey biotechnology
20. The use of living micro-organisms to degrade environmental pollutants is:

a) Bioremediation
b) Micro-remediation
c) Nano-remediation
d) All of these
21. Bt in popular crop Bt cotton stands for?

a) Biotechnology

b) *Bacillus* tormentors

c) *Bacillus thuringiensis*

d) Best type
22. First biochemical to be produced commercially by microbial cloning and genetic engineering is:

a) Penicillin  
b) Fertility factor  
c) Interferon  
d) Human insulin
23. Which of the following is used as Bio-weapon?

a) A Pathogen
b) Toxin from a pathogen
c) Both a) & b)
d) None
24. Another name of Gasohol or Green petrol is:

a) Butanol
b) Methanol
c) Ethanol
d) Petrol
25. The plant 'Brassica napus' has been modified to produce _______.

a) Hirudin
b) Insulin
c) Vitamin A
d) Lysine rich seeds
Check your Score

- All correct (25) : Outstanding
- 22 – 20 : Excellent
- 20 – 18 : Very Good
- 15 – 12 : Good
- Less than 12 : Needs improvement
  Please try again
ANSWERS

1. C
2. A
3. C
4. B
5. C
6. A
7. A
8. B
9. C
10. B
11. C
12. D
13. B
14. A
15. B
16. D
17. C
18. B
19. C
20. A
21. C
22. D
23. C
24. C
25. A
THANKS..!!