



TEST YOUR
KNOWLEDGE

QUIZ

BIOTECHNOLOGY



Pushpa Gujral
SCIENCE CITY
THE SCIENCE OF **WOW**

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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...!!

