

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Cell Biology

Course Code - BBT202

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Answer all the questions. Each question carry one mark.

9. 1. Which of the following transport protein allows the transport of a single solute from one side of the membrane to another? *

Mark only one oval.

- Passive transport
- Uniporters
- Co-transporter
- Active transport

10. 2. Name the family of transport protein which allows the water to cross the membrane? *

Mark only one oval.

- Facilitated diffusion
- Ion channels
- Aquaporins
- Active transport

11. 3. Name the type of cell division in which daughter cells receive an exact copy of chromosomes from the parent cell? *

Mark only one oval.

- Mitosis
- Cleavage
- Interphase
- Meiosis

12. 4. Genetic information stored in mRNA is translated to polypeptide by _____ *

Mark only one oval.

- Ribosome
- Nucleus
- Endoplasmic reticulum
- Golgi apparatus

13. 5. What is microsome? *

Mark only one oval.

- Compartment of Golgi
- Smaller ribosomes
- Small ER compartments
- Small vesicles of fragmented ER

14. 6.Name the site where detoxification of xenobiotic compounds takes place? *

Mark only one oval.

- Cytosol
- RER
- SER
- Ribosome

15. 7. Which of the following hypothesis explain vesicle fusion? *

Mark only one oval.

- Lipid raft hypothesis
- Cell adhesion hypothesis
- SNARE hypothesis
- Cell kill hypothesis

16. 8. Which of the following organelle control intracellular digestion of macromolecules with the help of hydrolytic enzymes? *

Mark only one oval.

- Plastid
- Peroxisome
- Lysosome
- Actin

17. 9. Name the control center of the eukaryotic cell? *

Mark only one oval.

- Nucleus
- Ribosome
- Cytoplasmon
- Golgi complex

18. 10. Name the structure which is used to transfer macromolecules between the cytoplasm and nucleus. *

Mark only one oval.

- Microtubules
- Nuclear pores
- Cilia
- Centrioles

19. 11. How do the small molecules pass through the outer membrane of mitochondria? *

Mark only one oval.

- ATP pump
- Carrier protein
- Channels
- Porins

20. 12. Which of the following division technique is similar in mitochondria and bacteria? *

Mark only one oval.

- Binary fission
- Budding
- Binary fusion
- Meiosis

21. 13. Which of these are not from a plastid family? *

Mark only one oval.

- Chloroplast
- Tonoplast
- Chromoplast
- Leucoplast

22. 14. Cell shape and cellular motility is determined by the _____ *

Mark only one oval.

- Centrioles
- Intermediate filament
- Microtubule
- Microfilaments

23. 15. Which of the following feature is the same in cilia and flagella? *

Mark only one oval.

- Help in locomotion
- Occurring all over the surface of the cell
- Wave-like motion
- Very small in size

24. 16. Name the process of transition from normal cells to cancerous cells? *

Mark only one oval.

- Ubiquitylation
- Polymerization
- Transformation
- Metastasis

25. 17. What is angiogenesis? *

Mark only one oval.

- Differentiation process
- Growth factors
- Contact inhibition
- Blood vessel formation

26. 18. Which of the following is NOT the example of proto-oncogenes? *

Mark only one oval.

- Rb
- Src
- Myc
- Abl

27. 19. Which of the following mutation causes Burkitt's lymphoma? *

Mark only one oval.

- Point mutation
- Chromosomal translocation
- Deletion
- Duplication

28. 20. C-value in genome represents _____ *

Mark only one oval.

- Genetic disorders
- Phenotypic variation
- Amount of DNA present in the genome
- Qualitative traits

29. 21. Mitochondria is bounded by _____ *

Mark only one oval.

- A single unit membrane
- Two unit membrane
- No membranes
- Plasma membranes

30. 22. Endoskeleton of the cell is made up of _____ *

Mark only one oval.

- Endoplasmic reticulum
- Mitochondria
- Cell Wall
- Cytoplasm

31. 23. Materials enter the Golgi complex through which of the following site? *

Mark only one oval.

- Cis region
- Medial region
- Trans region
- Trans Golgi reticulum

32. 24. Diameter of microfilaments is *

Mark only one oval.

- 10 nm
- 24 nm
- 7 nm
- 100 nm

33. 25. Solid particles engulfed by plasma membrane are called as ___ *

Mark only one oval.

- Exocytosis
- Endocytosis
- Pinocytosis
- Phagocytosis

34. 26. Cell secretion is carried out by *

Mark only one oval.

- Nucleolus
- Plastid
- E.R
- Golgi complex

35. 27. Protein constituent of microtubules is *

Mark only one oval.

- Tubulin
- Keratin
- Vimentin
- Lamin

36. 28. The major component of the nucleus is *

Mark only one oval.

- DNA
- RNA
- Lipids
- Proteins

37. 29. The term 'mitochondria; was given by: *

Mark only one oval.

- Altman
- Flemming
- Benda
- Kollikar

38. 30. Which of the following is occluding junction? *

Mark only one oval.

- Adherence junction
- Desmosomes
- Tight junction
- Gap junction

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