

Archive Subject

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- 1) one of the following is not true corresponding to nuclear pores:
has a cytoplasmic basket

 - 2) transportation of non-polar molecules through plasma lemma occurs _____, while polar molecules moves _____
A) through channel, through cell membrane directly
B) through cell membrane directly, through channel
- B
- 3) One of the following is wrong according to the mitochondria:
Outer membrane encloses fluid filled matrix

 - 4) Which of the following is not a component of nuclear envelope?
A) Pores
B) Lamins
C) Chromatin
- C
- 5) The method of transport in which two molecules move in the same direction:
A) Antiport
B) Symport
C) Osmosis
D) Facilitated diffusion
E) Simple diffusion

B

6) An example of inclusion is
Crystals

7) The part that is involved in absorption in kidneys and intestines:
A) Cilia
B) Flagella
C) Microvilli

C

8) 9 + 2 arrangement is found in
A) Cilia
B) Flagella
C) Microvilli

A

9) Which is involved in permanent fixture?
A) Microfilaments
B) Intermediate filaments
C) Microtubules

B

10) Freezing technique is for
Histochemical studying

11) Metachromatic staining:

Stain the tissue in new color different from that of the stain

12) Fluorescent in situ hybridization

Used to localize site of gene

13) In centrifugation, organelles are separated in which order?

- A) Nucleus, microsome, mitochondria
- B) Nucleus, mitochondria, microsome
- C) Mitochondria, microsome, nucleus
- D) Microsome, nucleus, mitochondria
- E) Microsome, mitochondria, nucleus

B

14) Insulin is secreted by

- A) Autocrine
- B) Merocrine
- C) Paracrine
- D) Exocrine
- E) Endocrine

E

15) What happens after binding between G protein with its receptor?

Activation

16) DNA is scattered within cytoplasm of eukaryotes:

False

17) The microscope that is used for studying the the living cells:

Phase contrast

18) The three primary germ layers come from:

Inner cell mass of blastocyst

19)The correct order according to lowest to highest thickness is
DNA, histone, nucleosome, chromosome

20)Which of the following contain actin:

- A) Microfilaments
- B) Intermediate filaments
- C) Microtubules

B

21)Which of the following is used to secrete molecules outside the cell?

- A) Ribosomes
- B) RER
- C) SER
- D) Golgi

D

22)Which organelle has a membrane?

Peroxisome

23)Which of these matching is correct?

Facilitated diffusion → polar molecules

24)Light microscope resolution power is_____

25)A piece of DNA used to insert another interested in fragment of DNA
into it is called

Vector

26)Definition of restriction enzymes

Used to cut a piece of DNA in a certain point

27)Hematoxylin:

Stains the nucleus with blue color

28)SCNT stands for:

Somatic cell nuclear transfer

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