10. which type of junction prevents passage of molecules?

LU

- A)Occluding (Tight junction)
- B) Gap junction
- C) Desmosomes
- D) Adherens junction

11. which proteins contribute with forming the occluding junction?

64

- A)occludin+claudins
- B) Cadherins
- C) Integrins
- D) Selectins

12.what cause the pemphigus vulgaris?

- A) defect in desmoglin
- B) Bacteria infection
- C) Fungal infection
- D) Viral infection

Answer:A

Answer:A

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

12) The cell adhesion molecules (CAMS) that form the tight junctions are

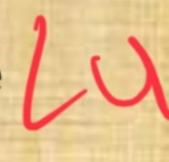
O a Connexin // Integnns

0 b. Claudins ir Adherins

0 c Occludins ill Connexins

0 d Occludins i Claudins

25) Land _connect epithelial cells to their basement membrane and adjacent cells respectively?



- Gap junction // Hemidesmosome
- O D. Zonula adherens // Macula densea
- 0 c Hemdesmosome// Desmosome 9
- 0 d Zonula occludens //Zonula adherens
- O e Hemidesmosomelli Synapse



O a Generale movement

b Transport organelles within the cell Provide tension beaning

O d Manufacture polysaccharides

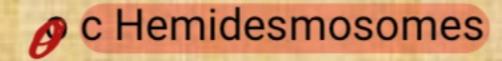
O a Translation of mDNIA

1

37) cel funcions that stabilize cell membrane proteins of cellsurface receptors are called

o a Gap Junctions

O b Desmosomes



O d Zonta adherens 19

0 e Zonus ocdudens

42) The structures of the cytoskeleton from thinnest to thickest?

O a Microlubules microfilaments, intermediate filaments 10 6
Microfilaments Intermediate filaments, microtubules

O b Intermediate filaments microtubules, microfilaments

O c Microtubules intermediate filaments microfilaments

0 e Microfilaments microtubules, intermediate filaments

8-intercalated disc = electrical synapse(gap junction) لا الماح في سؤال عن الماح cancer
10-protein in desmosomes?

=cadherin //desmoglein

بس حاس انه الاجابتين صح ؟؟؟؟ cadherin انا جاوبت

```
=actin filaments

13-leaky gut syndrome? 

=tight junction

14-CAMs with ECM? 

=integrin

15-CAMs with ECM? 

heterophilic
```

3) Choose the INCORRECT statement?

49.

0 a Tight junctions control the transport of molecules through the cells

O B Tight junctions are random spot attachments between cells that prevent splitting of tissue

0 c Desmosomes serve as anchoring Junctions between cells

0 d es junctions are very well developed in epithelial cells

0 e Anchoring junctions integrins is linked to laminin molecules extracellularly and to cytoskeleton keratin Old Regulating calcium

O e Cholesterol metabolism

10.low resistance intercellular junction that allows passage of depolarized substances in... in intercalated disc? (from choices) electrical synapse < chemical synapse 11.protein subunit forming the gap junction? Connexin 12.proteins junction in macula adherens? Desmoglein XXX Cadherin 13.Responsible for blood brain barrier is? Answer: Tight junction 14.abnormality of causes leaky gut syndrome? V Answer: Zonula occludens 15.What adhesion molecules are in Tight junction? レ 🕡 Answer: Occludin and claudin 16.All of the following are CAMs except? 🛴 🗸 Cadherin Selectin Integrin Catenin Actin*

EXAM 2

- 1- The correct match:
- A.anchoring junction → allow flow of current
- B.tight junction → chemical synapse
- C.gap junction → blood brain barrier
- D.zonuola occludens → prevent flow of material between the cells

Answer: D

B-desmoglein

C- catenin

D-integrins
Answer: b

12- Not composition of CAMs: $\sqrt{}$

A.extracellular domain

B.transmembrain domain C.nuclear domain

D.cytoplasmic domain

20- Which of the following provide permanent fixtures of the cell? A- microfilaments B- microtubules

C- intermidiate filaments

D.centriolse

Answer : C

MISWUI . L

24- All the following are true about cytoskeleton expect: LU

- A.not stable ——>
- B.contain microtubule
- C. contain microfilament
- D.contain intermediate tubule
- E.contain intermediate filament



Answer: D

6-It has a process permanent fixture : • \

Answer: (intermediate filaments) 7) Any of them in which actin: ν

17-Protein form the macula adherence: ν Answer: (desmoglein)

miswer. Camp 19-NOT composition of CAMs: U Answer: Nuclear domain

7-One of the following is wrong about intermediatetubules ? $oldsymbol{\iota}$

- a-Bigger than microfilaments but smaller than
- microtubules
- b-provides tension bearing Permanent fixtures of cells
- c-Present only in animal cells of certain tissues
- d-Forms organelles such as cilia & flagella &
- centrioles.

Answer : d



18-Hemidesmosome?

answer: a

- a-Attach the basal of epithelium to the basement membrane:
- b- Found at the basolateral membrane c-Act as electrical junction in the heart
- d-found at the head of epithelial membrane