

10. which type of junction prevents passage of molecules?

LU

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

Answer:A

11. which proteins contribute with forming the occluding junction?

LU

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

Answer:A

12. what cause the pemphigus vulgaris?

LU

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

Answer:A

9) Which is involved in permanent fixture?

Lu

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

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

Ly

a Connexin // Integnnns

b. Claudins *ir* Adherins

c Occludins *ill* Connexins

d Occludins *i* Claudins



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

a *Gap junction // Hemidesmosome*

D. *Zonula adherens // Macula densa*

c *Hemidesmosome // Desmosome*

d *Zonula occludens // Zonula adherens*

e *Hemidesmosome // Synapse*

33) The primary function of intermediate filaments is to
_?

LM

a General movement

b Transport organelles within the cell Provide tension bearing

d Manufacture polysaccharides

e Translation of mRNA

37) cel functions that stabilize cell membrane proteins of cell-surface receptors are called

a Gap Junctions

b Desmosomes

c Hemidesmosomes

d Zonta adherens 19

e Zonus occludens

Lu

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

24

dr a Microtubules, microfilaments, intermediate filaments 10 6

b Microfilaments, intermediate filaments, microtubules

c Intermediate filaments, microtubules, microfilaments

d Microtubules, intermediate filaments, microfilaments

e Microfilaments, microtubules, intermediate filaments

8-intercalated disc = electrical synapse(gap junction) ٤٤

~~9~~ cancer في سؤال عن ال-

10-protein in desmosomes? ٤٤

=cadherin //desmoglein

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

12-zonula adherens? ٤٤

=actin filaments

13-leaky gut syndrome? ٤٤

=tight junction

14-CAMs with ECM? ٤٤

=integrin

15-CAMs with ECM? ٤٤

=heterophilic

3) Choose the INCORRECT statement?

لۄ

خۉ؟

a Tight junctions control the transport of molecules through the cells

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

c Desmosomes serve as anchoring Junctions between cells

d es junctions are very well developed in epithelial cells

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

e Cholesterol metabolism

الطبيب والجرافة

10. low resistance intercellular junction that allows passage of depolarized substances in... in intercalated disc? (from choices) LU

electrical synapse ←

chemical synapse

11. protein subunit forming the gap junction? LU

Connexin

12. proteins junction in macula adherens? LU

Desmoglein XXX

Cadherin

13. Responsible for blood brain barrier is? LU

Answer: **Tight junction**

14. abnormality of causes leaky gut syndrome? LU

Answer: **Zonula occludens**

15. What adhesion molecules are in Tight junction? LU

Answer: Occludin and claudin

16. All of the following are CAMs except? LU

Cadherin

Selectin

Integrin

Catenin

Actin*

EXAM 2

1- The correct match:

LU

A.anchoring junction → allow flow of current

B.tight junction → chemical synapse

C.gap junction → blood brain barrier

D.zonula occludens → prevent flow of material between the cells

Answer : D

9- Protein form the macula adherence :

24

A- cadherins

B-desmoglein

C- catenin

D-integrins

Answer : b

12- Not composition of CAMs:

24

A. extracellular domain

B. transmembrane domain

C. nuclear domain

D. cytoplasmic domain

20- Which of the following provide permanent fixtures of the cell?

A- microfilaments

B- microtubules

C- intermediate filaments

D. centriole

Answer : C



ANSWER : D

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


خطرات
بجانب
هنا



Answer : D

6-It has a process permanent fixture : 

Answer : (intermediate filaments)

7) Any of them in which actin : 

17-Protein form the macula adherence: 

Answer : (desmoglein)

Answer : Camp

19-NOT composition of CAMs: *LU*

Answer : Nuclear domain

7-One of the following is wrong about intermediate filaments ? LU

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 ?

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

answer : a