

MSS Final Exam

دفعة نبض 2019

Biochemistry

21)The following events in procollagen biosynthesis occur Within cells EXCEPT?

- A. Oxidation of lysyl residues $\sqrt{\sqrt{\sqrt{}}}$
- B. Formation of disulfide bonds.
- C. Chain alignment,
- D. O-linked glycosylation.
- E. Hydroxylation of lysyl residues.

22) For collagen synthesis, choose the incorrect statement? Select one:

A. a. Lysyl oxidase and extracellular enzyme produces the final step in the collagen synthesis pathway.

B. b. The beginning of collagen synthesis begins with turning on genes

C. c. There are approximately 34 genes associated with collagen formation

D. d. In the Golgi apparatus, the procollagen goes through one last post-translational modification before being secreted

E. e. Collagen carboxylase, removes the "loose ends" of the procollagen molecule $\sqrt{\checkmark}\sqrt{}$

25) For elastin, choose the incorrect statement? Select one:

A. The ELN gene provides instructions for making a protein called tropoelastin

B. Elastin is made by linking many soluble tropoelastin protein molecules

C. Elastin production continues throughout the lite. $\sqrt{\sqrt{\sqrt{}}}$

D. The expression of ELN gene mainly occurs before birth.

E. It is mainly made up of amino acids- valine. glycine alanine and proline

30) For melanin, all of the following are correct except? Select one:

A. Eumelanin is the most abundant type of melanin in humans

B. Pheomelanin is a red-yellow pigment

C. Eumelanin can be found only as a black eumelanin $\sqrt{\checkmark}$

D. Melanin possesses photochemical qualities that make it a photoprotectant

E. Neuromelanin can be found in the medulla, and in the adrenal gland

35) For collagen, choose the incorrect statement? Select one:

A. Type IV forms the bases of cell basement membrane

B. Type II collagen is the main component of cartilage

C. Type III collagen is found in the walls of arteries

D. Type V forms cell surfaces, hair and placenta

E. Type V collagen and type XI collagen are major components of tissue

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50) The severity of receptor defect rickets is due to? Select one:

A. Recognition of several mutant forms of receptor defect rickets

B. Very sever hypocalcaemia

C. Totally resistant to the rapy $\sqrt{\sqrt{\sqrt{}}}$

D. Secondary risks of calcium therapy

E. Elevation of serum calcitriol level