WEEK 6 ASSIGNMENT6

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2021-03-31, 22:39 IST.

1) Which of the following is not a hallmark of aging?
   - Loss of proteostasis
   - Genetic instability
   - telomere shortening
   - mitochondrial dysfunction
   - NAD levels increase
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: telomere shortening

2) Senescence is accompanied by:
   - Decreased reactive oxygen species
   - increased apoptosis
   - cell cycle arrest
   - reactivation of Cdk inhibitors
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: cell cycle arrest

3) In budding yeast, the cell division site is marked in which phase of the cell cycle?
   - Late G1
   - G0 phase
   - Early G1
   - Q EM
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: Late G1

4) What are the major components of the contractile ring in cytokinesis?
   - myosin II and myosin II isoforms
   - myosin II and myosin II isoforms
   - myosin II and myosin II isoforms
   - actin and myosin II isoforms
   - actin and myosin II isoforms
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: actin and myosin II isoforms

5) MEN (Mitotic Exit Network) consist of:
   - Protein phosphatases like Cdc14 phosphatase
   - Protein kinases like Cdc2, Cdk13, DBM2 and DBM2
   - GFP binding proteins like Tem1, L121 and Blk1
   - As all the above
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: all of the above proteins

6) What will be the effect of phosphatase inhibitors on nuclear envelope reassembly in telophase?
   - Nuclear reassembly process will be upregulated to three folds than normal
   - Nuclear reassembly will be stopped
   - Nuclear reassembly will be faster
   - Nuclear reassembly will be stopped.
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: Nuclear reassembly will be stopped.

7) Which of the following statements is not correct about apoptosis?
   - Apoptosis of cells induces inflammatory reaction
   - Apoptosis causes shrinkage of cells
   - Apoptotic cells show nuclear condensation and fragmentation
   - None of the above
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: apoptosis of cells induces inflammatory reaction

8) Camptothecin belong to which class of pronestes?
   - Serine proteases
   - Tyrosine proteases
   - Cysteine proteases
   - Aspartic proteases
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: all the above proteins

9) Which of the following is true about cytoskeletal release from the nucleoplasm?
   - It occurs during mitosis
   - It activates p53
   - Its release is not regulated by the Bcl-2 family proteins
   - It can trigger caspase activation in cells
   - No answer is incorrect.
   - Score: 1 point
   - Accepted Answers: It can trigger caspase activation in cells

10) Which of the following statement is true?
    - Apoptotic death is not controlled by proteins
    - Death induced by Fas or TNF causes the activation of caspase-8 via the death receptor complex
    - Increased apoptosis is a hallmark of many cancers
    - The inhibitors of apoptosis proteins are endogenous inhibitors of Bcl-2
    - No answer is incorrect.
    - Score: 1 point
    - Accepted Answers: Death induced by Fas or TNF causes the activation of caspase-8 via the death receptor complex

- attended: None
- questions answered: None
- remember to submit this assignment before its due date.

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