Unit 8 - Week 6

Assignment 6 Week 6

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1. Which cell cycle phase has been described in the picture below?

- G1
- S
- G2
- Mitosis

No, the answer is incorrect.

Correct Answer: G2

2. Which of the following is correct for a eukaryotic cell cycle?

- The cycle time is broken down into phase
- Cycles are divided into a set of phases
- Phases are divided into a set of phases
- All is correct

No, the answer is incorrect.

Correct Answer: All is correct

3. According to the cell-division inhibition, the arrowed cells stop division because of which reason?

- The cell is no longer capable of cell division due to the lack of mitotic spindles
- The cell is incapable of cell division due to the lack of mitotic spindles
- The cell is incapable of cell division due to the lack of centrioles
- None of the above

No, the answer is incorrect.

Correct Answer: The cell is incapable of cell division due to the lack of mitotic spindles

4. Censor cells have all of the following properties except:

- Cell division
- Tightly regulated cell division
- Resistance to cell death or apoptosis
- Interruption of angiogenesis

No, the answer is incorrect.

Correct Answer: Interruption of angiogenesis

5. Most human cells are diploid with a DNA content of 2n, which increases to 4n before the closure of mitosis. At anaphase, what will be the DNA content in 1 point of each cell cycle?

- 1n
- 2n
- 3n
- 4n

No, the answer is incorrect.

Correct Answer: 4n

6. In developmental biology, cleavage is characterised by which of the following?

- The production of eggs in ovarian
- Rapid cell division of a zygote in the vitelline membrane
- Multiple rounds of cell division to produce various body structures
- All of the above

No, the answer is incorrect.

Correct Answer: All of the above

7. Which is the starting event of gastrulation?

- Oviposition
- Egg
- Zygote
- Gastrula

No, the answer is incorrect.

Correct Answer: Oviposition

8. Which organic acid is developed from the oxaloacetate?

- Malic acid
- Citric acid
- Oxaloacetate
- All of the above

No, the answer is incorrect.

Correct Answer: Oxaloacetate

9. The mechanism of cell specialization is known as which of the following?

- Proliferation
- Organogenesis
- Differentiation
- All of the above

No, the answer is incorrect.

Correct Answer: Differentiation

Due on: 2020-03-11, 23:59 BST.