Biomaterials and

Biocompatibility

processes

Cell Division

Stem Cells

Manufacturing of

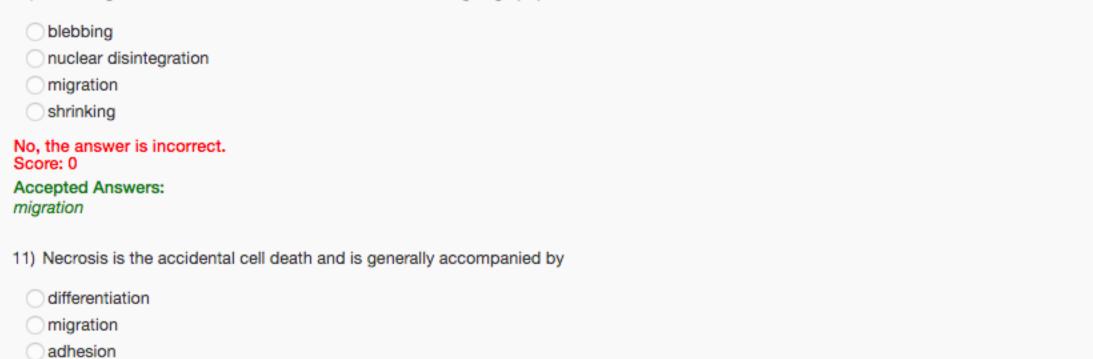
Text Transcripts

trials

1 point

Unit 5 - Stem cells and Cell fate processes

Course outline Week 4 Assignment How to access the portal Due on 2019-08-28, 23:59 IST. The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Week 1 Introduction to Apoptosis is a cell fate process that represents 1 point differentiation Defining tissue engineering necrosis scaffolds and implants motility programmed cell death Structure and Properties of **Proteins and Cells** No, the answer is incorrect. Score: 0 Accepted Answers: Stem cells and Cell fate programmed cell death Cell fate processes Mesenchymal and haematpoitic stem cells are 1 point unipotent multipotent Cell Differentiation pleuripotent totipotent Quiz : Week 4 Assignment No, the answer is incorrect. Score: 0 Cell-material Interaction (in Accepted Answers: vitro and in vivo) and Clinical multipotent Aborted embryos are the source of 1 point mesenchymal stem cells Biomaterials (metals, ceramics and polymers) adult stem cells embryonic stem cells **HA-based Composites** none of the above No, the answer is incorrect. Glass ceramics for orthopedic and dental Accepted Answers: applications, acetabular embryonic stem cells socket and femoral head, prototype development 4) Cells that form nails and hair are called 1 point chondrocyte osteocyte keratinocyte none of the above No, the answer is incorrect. Score: 0 Accepted Answers: keratinocyte Ability of stem cells to divide while retaining its potency is called 1 point differentiation self renewal stemness none of the above No, the answer is incorrect. Score: 0 Accepted Answers: stemness Adult stem cells are generally 1 point unipotent multipotent pleuripotent impotent No, the answer is incorrect. Score: 0 Accepted Answers: multipotent 7) In which phase does DNA replication occur during the cell cycle? 1 point G1 \bigcirc M \odot s None of the above No, the answer is incorrect. Score: 0 Accepted Answers: S 8) Translation in prokaryotic cells takes place in 1 point mitochondria cytoplasm nucleus endoplasmic reticulum No, the answer is incorrect. Score: 0 Accepted Answers: cytoplasm



RNA that transfers the genetic information from nucleus to cytoplasm is called

10) Following is not the characteristic feature of a cell undergoing apoptosis

trans-membrane RNA

No, the answer is incorrect.

messenger RNA

 transfer RNA ribosomal RNA

Accepted Answers: messenger RNA

inflammation

Accepted Answers:

Before cell division

nucleus size increases

cell membrane disappears

13) PCR is an abbreviated form for the technique known as

Cell fate processes can be best analyzed quantitatively by the following technique

cell size decreases

cytoplasm dries up

Accepted Answers: nucleus size increases

No, the answer is incorrect.

polycarbonate reaction

opolymer chain reaction

No, the answer is incorrect.

polymerase chain reaction

nuclear magnetic resonance or NMR

fluorescence assisted cell sorter or FACS

fluorescence assisted cell sorter or FACS

opolymer chain rate

Accepted Answers:

densitometer

infrared or IR

Accepted Answers:

multipotent

pleuripotent

totipotent

unipotent

Accepted Answers:

Score: 0

pleuripotent

Score: 0

No, the answer is incorrect.

Embryonic stem cells are

No, the answer is incorrect.

Score: 0

polymerase chain reaction

Score: 0

inflammation

No, the answer is incorrect.

Score: 0