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Test Bank

Chapter 3: Altered Cellular and Tissue Biology

MULTIPLE CHOICE

- 1. Muscular atrophy involves a decrease in muscle cell:
 - A. number.
 - B. size.
 - C. vacuoles.
 - D. lipofuscin.

ANS: B PTS: 1 REF: Pg. 63

- 2. During childhood, the thymus decreases in size, referred to as:
 - A. physiologic atrophy.
 - B. pathologic atrophy.
 - C. disuse atrophy.
 - D. dysplasia.

ANS: A PTS: 1 REF: Pg. 63

- 3. In response to an increased workload, cardiac myocardial cells will:
 - A. increase in size.
 - B. decrease in length.
 - C. increase in excitability.
 - D. increase in number.

ANS: A PTS: 1 REF: Pg. 63-64

- 4. A 55-year-old male with a 30-year history of smoking is examined for respiratory disturbance. Examination of his airway (bronchial) reveals that stratified squamous epithelial cells have replaced the normal columnar ciliated cells. The type of cellular adaptation is called:
 - A. hypertrophy.
 - B. hyperplasia.
 - C. metaplasia.
 - D. dysplasia.

ANS: C PTS: 1 REF: Pg. 65

- 5. The mammary glands enlarge during pregnancy primarily as a consequence of:
 - A. compensatory hyperplasia.
 - B. hormonal hyperplasia.
 - C. hormonal anaplasia.
 - D. hormonal dysplasia.

	ANS:	В	PTS:	1	REF:	Pg. 64	
6.	 A 24-year-old female presents with excessive menstrual bleeding. Laboratory results reveal an imbalance of progesterone and estrogen, with estrogen secretion being elevated. This imbalance would most likely cause endometrial changes referred to as: A. dysplasia. B. pathologic dysplasia. C. hyperplasia. D. pathologic hyperplasia. 						
	ANS:	D	PTS:	1	REF:	Pg. 64	
7.	A. dys B. me C. cor	ous region of the	he liver perplasi	were removed		ar cancer secondary to hepatitis C. If the naining cells would undergo:	
	ANS:	C	PTS:	1	REF:	Pg. 64	
8.	A. Me B. Atı	r changes is me etaplasia cophy pertrophy		ergoing treatme y to be associa		ervical cancer. Which of the following in her cancer?	
	ANS:	D	PTS:	1	REF:	Pg. 64	
9.	A. ma B. free C. isc	sclerosis. The clause lnutrition. e radicals.	chest pa			xertion. He was previously diagnosed with by hypoxic injury secondary to:	
	ANS:	C	PTS:	1	REF:	Pg. 66	
10.	 Progressive cell injury that causes cell death with severe cell swelling and breakdown of organelles is referred to as: A. adaptation. B. pathologic calcification. C. apoptosis. D. necrosis. 						
	ANS:	D	PTS:	1	REF:	Pg. 66	

11. Cellular injury can be caused by:

	A. lead, carbon monoxide, and ethanol.B. atrophy, water, and glycogen.C. melanin, hyperplasia, and proteins.D. pigments, calcium, and lipids.						
	ANS: A	PTS:	1	REF:	Pg. 72-73		
12.	Sodium and water a A. decreased ATP B. reverse osmosis C. ribosome detacl D. cellular atrophy	productions. hment.	•	ed cell a	are a direct result of:		
	ANS: A	PTS:	1	REF:	Pg. 67		
13.	 The early dilation (s A. increased aerob B. autodigestion. C. reduced protein D. decreased Na⁺/I 	ic metabo	olism. s.	ndoplasi	mic reticulum results in:		
	ANS: C	PTS:	1	REF:	Pg. 67		
14.		ed to the nation.	damaged hear		on secondary to atherosclerosis and ischemia. Susion injury occurred as a result of:		
	ANS: A	PTS:	1	REF:	Pg. 67		
15.	A 75-year-old female radical production. A. organelle members. B. increased lipid to C. increased protein D. cell membrane of	Lipid perorane reco transporta in synthes	oxidation result onstruction. ation.		ncreased lipid peroxidation secondary to free		
	ANS: D	PTS:	1	REF:	Pg. 68		
16.	Which of the followA. Lead exposureB. Carbon monoxiC. Ethanol exposureD. Mercury poison	ving woul de poison re iing	d be the most	likely e	f headache, nausea, weakness, and vomiting. xplanation for these symptoms?		
	ANS: B	PTS:	I	REF:	Pg. 72		

17.	A. de B. lys C. inc	iver, as a result creased apopro sosomal injury. creased membr ty acid endocy	teins. ane perr		e (CCL	(4) poisoning, is related to:
	ANS:	A	PTS:	1	REF:	Pg. 70
18.	A. soo	dium. tassium. agnesium.	of irreve	ersible cell inju	ry invo	lves increased intracellular:
	ANS:	D	PTS:	1	REF:	Pg. 66
19.	scan rethe bra A. Su B. Ep C. Co		ction of ne follov ma	blood between	the inn	as a result of a motor vehicle accident. CT ner surface of the dura mater and the surface of ury?
	ANS:	A	PTS:	1	REF:	Pg. 76
20.	 A 20-year-old male presents to the ER with a jagged sharp-force injury that is longer than it is deep. Which of the following best describes this injury? A. Stab wound B. Incised wound C. Puncture wound D. Chopping wound 					
	ANS:	В	PTS:	1	REF:	Pg. 77-78
21.	 A 30-year-old female presents with a gunshot wound to the head. The wound has seared edges and a deep penetration of smoke and gunpowder fragments. This wound could be characterized as a(n): A. muzzle imprint. B. intermediate range entrance wound. C. contact range entrance wound. D. indeterminate range entrance wound. 					
	ANS:	C	PTS:	1	REF:	Pg. 78-79
22.	the neo	ck with deep br	uising.	X-ray reveals f	racture	a physical assault. She has internal damage to of hyoid bone and tracheal and cricoid ed her injuries?

	A. Chemical asphB. Choking asphC. Ligature strangD. Manual strang	xiation gulation				
	ANS: D	PTS: 1	REF:	Pg. 80-81		
23.	A 55-year-old male in development of A. Increased ATP B. K ⁺ movement C. Na ⁺ movement D. Decreased osm	swelling? out of the cell t into the cell	I	dary to hypoxia. Which of the following aided		
	ANS: C	PTS: 1	REF:	Pg. 83		
24.		atty liver. Whit rersion of fatty lyceride synth binding to ap	ich of the followin y acids to triglycer nesis poproteins	rhosis and liver failure. Liver biopsy revealed any could have contributed to this condition? rides		
	ANS: A	PTS: 1	REF:	Pg. 84		
25.		cory testing re	veals kidney dysfu	myeloma. Biopsy of the tumor reveals Russell function. Accumulation of which of the		
	ANS: B	PTS: 1	REF:	Pg. 84		
26.	 A newborn male is diagnosed with albinism based on skin, eye, and hair appearance. Which of the following is associated with these features? A. Increased melanin B. Increased hemoproteins C. Inability to convert tyrosine to DOPA D. Increased bilirubin 					
	ANS: C	PTS: 1	REF:	Pg. 85		
27.	A 23-year-old male accumulation of: A. cytochromes. B. bilirubin.	e develops a "	'black'' eye follow	ving a fight. This bruising is due to an		

C. albumin.

	D. her	nosiderin.				
	ANS:	D	PTS:	1	REF:	Pg. 85
28.	A. Inc B. Ac C. De	of the following of the following treased phosphitivation of procreased endonotein kinase de	olipid p teases uclease	activity	ss circul	lating Ca ²⁺ ?
	ANS:	В	PTS:	1	REF:	Pg. 86
29.	A. del B. of C. it i	oris is not dige protein denatu	sted by ration. lytic en	zymes and lipi		
	ANS:	C	PTS:	1	REF:	Pg. 88
30.	the foll A. Ka B. Co C. Lic		on, his ke most li osis cosis	idney function		and with mercuric chloride. Following apaired and his heart began to fail. Which of
	ANS:	В	PTS:	1	REF:	Pg. 87-88
31.	examir most li A. Co B. Lio	nation, tissues when the kely cause? agulative necrous necrosis	were so osis rosis			following exposure to an infected inmate. On imped cheese. Which of the following is the
	ANS:	C	PTS:	1	REF:	Pg. 87-88
32.	Examinshock. A. Fat B. We C. Ga	nation of her re	ed blood followin	d cells revealed	l lysis o	dium bacteria and died a week later. If membranes and cause of death was ruled as cause of her death?
	ANS:	D	PTS:	1	REF:	Pg. 89

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Full Download: https://testbanklive.com/download/understanding-pathophysiology-4th-edition-huether-test-bank/ Test Bank 3-7 33. Apoptosis is a condition in which cells program themselves to: A. atrophy. B. die. C. regenerate. D. age. ANS: B PTS: 1 REF: Pg. 89 34. A 50-year-old male IV drug user is diagnosed with hepatitis C. Examination of the liver reveals cell death secondary to: A. fat necrosis. B. physiologic apoptosis. C. pathologic apoptosis. D. pyknosis. ANS: C PTS: 1 REF: Pg. 90 35. In distinguishing aging from diseases: A. it is difficult to tell the difference because both processes are believed to result from cell injury. B. it is easy to tell normal processes from abnormal processes. C. disease, unlike aging, has a genetic component. D. aging is defined as exceeding life expectancy but not maximal life span. ANS: A PTS: 1 REF: Pg. 90 36. The theory of aging proposing that aging is the result of DNA damage, inefficiency of repair, or loss of the integrity of DNA synthesis is referred to as the: A. catastrophic theory. B. error-prone theory. C. somatic mutation hypothesis. D. neuroendocrine theory. ANS: C PTS: 1 REF: Pg. 92 37. Muscle stiffening occurring within 6 to 14 hours after death is called: A. livor mortis. B. gangrene. C. algor mortis. D. rigor mortis.

REF: Pg. 94

PTS: 1

ANS: D