Test Bank for Understanding Pathophysiology 4th Edition by Huether

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Huether:	Understanding	Pathophysiology,	4 th Edition
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T	est	Ba	nk

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.	would a A. dys B. pat C. hyp	nce of progesto most likely ca	erone ar use endo		th estro	strual bleeding. Laboratory results reveal an gen secretion being elevated. This imbalance red to as:
	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.	A. ada B. pat C. apo D. neo	lles is referred aptation. hologic calcificationsis.	to as:			evere cell swelling and breakdown of
	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	productio s. 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⁺/H 	ic metabo synthesis	lism.	ıdoplası	mic reticulum results in:		
	ANS: C	PTS:	1	REF:	Pg. 67		
14.		ned to the onation.	damaged heart		n secondary to atherosclerosis and ischemia. usion 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 pero brane reco transporta in synthes	oxidation resul nstruction. tion.		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 would de poison re iing	d be the most l	likely ex	f headache, nausea, weakness, and vomiting. aplanation for these symptoms?		
	ANS: B	PTS:	1	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.	deep. YA. Sta B. Inc C. Pu	year-old male p Which of the fo ab wound cised wound incture wound nopping wound	ollowing			ed sharp-force injury that is longer than it is jury?
	ANS:	В	PTS:	1	REF:	Pg. 77-78
21.	and a cas a(n) A. mu B. int C. co	deep penetratio	n of smo	oke and gunpo nce wound. ound.		nd to the head. The wound has seared edges ragments. This wound could be characterized
	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	l	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	rrhosis and liver failure. Liver biopsy revealed ang could have contributed to this condition?
	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 the following is as: A. Increased mela B. Increased hemo C. Inability to cor D. Increased biling	sociated with unin oproteins overt tyrosine	these features?	d on skin, eye, and hair appearance. Which of
	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	mosiderin.				
	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	ating 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 paired 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 a kely cause? agulative necr quefactive 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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3-7

33.	Apoptosis is a cond A. atrophy. B. die. C. regenerate. D. age.	lition in w	hich cells pro	gram the	emselves to:
	ANS: B	PTS:	1	REF:	Pg. 89
34.	A 50-year-old male cell death secondar A. fat necrosis. B. physiologic apol C. pathologic apol D. pyknosis.	y to:	user is diagnos	sed with	hepatitis C. Examination of the liver reveals
	ANS: C	PTS:	1	REF:	Pg. 90
35.	from cell injury B. it is easy to tell C. disease, unlike	tell the di normal praging, has	rocesses from a genetic con	abnorm nponent	-
	ANS: A	PTS:	1	REF:	Pg. 90
36.	The theory of aging loss of the integrity A. catastrophic the B. error-prone the C. somatic mutation D. neuroendocrine	of DNA seory. ory. on hypothe	synthesis is re		ult of DNA damage, inefficiency of repair, or as the:
	ANS: C	PTS:	1	REF:	Pg. 92
37.	Muscle stiffening of A. livor mortis. B. gangrene. C. algor mortis. D. rigor mortis.	ccurring v	within 6 to 14	hours at	ter death is called:

REF: Pg. 94

PTS: 1

ANS: D