### **Biochem Exam 1**

	Biserial	Total %	Upper %	Lower %
AVG	0.33	0.86	0.95	0.72
SD	0.11	0.10	0.06	0.17
MIN	0.05	0.57	0.66	0.20
MAX	0.51	1.00	1.00	0.99
Count If	10	3		

	Questions	
Total	70	< please confirm*
Majority	17	
Dropped	0	< please confirm*

\*Faculty Note: Please confirm Total Questions and Dropped Questions

	an = 62.00		Min = 2		Max =			s = 70.00				
Ques	# Corre	t Responses		Disc. Index	Point Bis	Correct Ansv	Response	Frequencies	(*Indicates co	orrect ar	nswer)	
rity	Diff(p	) Upper	Lower				A	В	C D		E	Unanswere
	<b>2 ※</b> 0.7	8 97.48%	52.38%	0.45	<b>√</b> 0.43	Α	*299	11	31	23	18	0
						% Selected	78.27	2.88	8.12	6.02	4.71	0
					Point Bis	serial (rpb)	0.43	0.2	0.21	0.18	0.21	
	<b>3 ×</b> 0.8	2 94.96%	66.67%	0.28	<b>√</b> 0.31	В	8	*313	15	6	39	1
						% Selected	2.09	81.94	3.93	1.57	10.21	0.26
					Point Bis	serial (rpb)	0.11	0.31	0.28	0.02	0.17	
	<b>4 ×</b> 0.7	9 88.24%	70.48%	0.18	<b>X</b> 0.2	E	3	52	20	5	*302	0
						% Selected	0.79	13.61	5.24	1.31	79.06	0
					Point Bis	serial (rpb)	0.03	0.07	0.16	0.17	0.2	
	<b>5</b> 0.8	5 96.64%	65.71%	0.31	<b>√</b> 0.41	В	14	*325	7	28	8	0
						% Selected	3.66	85.08	1.83	7.33	2.09	0
					Point Bis	serial (rpb)	0.26	0.41	0.11	0.21	0.2	
	<b>6</b> 0.9	97.48%	77.14%	0.2	<b>√</b> 0.33	В	26	*344	10	0	2	0
						% Selected	6.81	90.05	2.62	0	0.52	0
					Point Bis	serial (rpb)	0.26	0.33	0.15	0	0.16	

	Median			Min = 2		Max =			ts = 70.00				
	Ques #		Responses		Disc. Index	Point Bis	Correct Ansv			s (*Indicates co			I
jority		Diff(p)	Upper	Lower				A	В	C	)	E	Unanswered
							% Selected	3.14	0.79	1.31	6.28	88.48	0
						Point Bis	serial (rpb)	0.1	0.29	0.11	0.15	0.28	
		<b>8 </b> ✓ 0.92	98.32%	81.90%	0.16	5 <b>√</b> 0.33	С	4	19	*351	5	3	0
							% Selected	1.05	4.97	91.88	1.31	0.79	0
						Point Bis	erial (rpb)	0.16	0.23	0.33	0.15	0.08	
		<b>9</b> × 0.72	89.92%	51.43%	0.38	3 <b>✓</b> 0.34	В	29	*276	15	19	43	0
							% Selected	7.59	72.25	3.93	4.97	11.26	0
						Point Bis	serial (rpb)	0.25	0.34	0.15	0.08	0.12	
		<b>10</b> 0.91	96.64%	81.90%	0.15	5 0.27	D	7	1	15	*349	10	0
							% Selected	1.83	0.26	3.93	91.36	2.62	0
						Point Bis	serial (rpb)	0.08	0.08	0.16	0.27	0.18	
ajority		<b>11 </b> ✓ 0.93	100.00%	80.95%	0.19	0.35	С	15	1	*356	2	8	0
							% Selected	3.93	0.26	93.19	0.52	2.09	0
						Point Bis	serial (rpb)	0.28	0.04	0.35	0.14	0.15	
		<b>12 💢</b> 0.8	88.24%	76.19%	0.12	2 💢 0.11	В	7	*306	4	9	56	0
							% Selected	1.83	80.1	1.05	2.36	14.66	0 9/

		62.00		Min = 2			70.00		s = 70.0				
Que	es#		Responses	I	Disc. Index	Point Bi	se Correct Ansv			s (*Indicates c			lu
jority		Diff(p)	Upper	Lower				Α	В		)	E	Unanswered
						Point Bi	serial (rpb)	0.05	0.11	0.23	0.05	0.02	
	1	<b>3</b> 0.88	94.96%	80.00%	0.15	5 <b>※</b> 0.14	A	*337	12	6	21	5	1
							% Selected	88.22	3.14	1.57	5.5	1.31	0.26
						Point Bi	serial (rpb)	0.14	0.09	0.05	0.11	0.03	
	1	<b>4</b> 0.87	96.64%	67.62%	0.29	9 🗸 0.47	В	7	*331	29	9	6	0
							% Selected	1.83	86.65	7.59	2.36	1.57	0
						Point Bi	serial (rpb)	0.19	0.47	0.31	0.28	0.08	
ajority	1	<b>5 </b> ✓ 0.95	100.00%	86.67%	0.13	3 <b>√</b> 0.3	A	*364	1	1	7	9	0
							% Selected	95.29	0.26	0.26	1.83	2.36	0
						Point Bi	serial (rpb)	0.3	0.03	0.01	0.21	0.22	
ajority	1	<b>6 </b> ✓ 0.98	100.00%	95.24%	0.05	5 💢 0.09	С	3	5	*374	0	0	0
							% Selected	0.79	1.31	97.91	0	0	0
						Point Bi	serial (rpb)	0.04	0.08	0.09	0	0	
ajority	1	<b>7 </b> ✓ 0.96	100.00%	86.67%	0.13	3 <b>√</b> 0.45	А	*365	6	5	4	2	0
							% Selected	95.55	1.57	1.31	1.05	0.52	0
						Point Bi	serial (rpb)	0.45	0.25	0.35	0.11	0.15	9/5

	Mediar				Min = 2		Max =			s = 70.00				
rity	Ques #		Diff(p)	Responses Upper	Lower	Disc. Index	Point Bis	Se Correct Ansv	Response A	B	c (*Indicates c	orrect an	E E	Unanswered
rity		18	<b>√</b> 0.97	100.00%	91.43%	6 0.09	<b>√</b> 0.38	С	2	0	*372	5	3	0
								% Selected	0.52	0	97.38	1.31	0.79	0
							Point Bis	serial (rpb)	0.13	0	0.38	0.21	0.3	
		19	<b>×</b> 0.78	95.80%	48.57%	o 0.47	0.47	D	43	8	27	*297	7	0
								% Selected	11.26	2.09	7.07	77.75	1.83	0
							Point Bis	serial (rpb)	0.24	0.28	0.22	0.47	0.16	
		20	<b>※</b> 0.57	82.35%	20.00%	6 0.62	0.48	С	83	66	*219	4	10	0
								% Selected	21.73	17.28	57.33	1.05	2.62	0
							Point Bis	serial (rpb)	0.3	0.17	0.48	0.05	0.26	
		21	<b>√</b> 0.95	99.16%	87.62%	6 0.12	0.26	E	0	5	3	11	*363	0
								% Selected	0	1.31	0.79	2.88	95.03	0
							Point Bis	serial (rpb)	0	0.13	0.16	0.16	0.26	
		22	<b>×</b> 0.69	90.76%	40.95%	6 0.5	0.42	С	35	42	*264	16	25	0
								% Selected	9.16	10.99	69.11	4.19	6.54	0
							Point Bis	serial (rpb)	0.24	0.08	0.42	0.22	0.22	

	Exam Tak Median =		32	KR20 = Min = 2		Stdev : Max =			59.92 (85 s = 70.00	5.61%)			
	Median = Ques #	Correct R	esnonses	MIN = 2			Correct Ansv			(*Indicates c	orrect an	swer)	
ajority	Ques #	Diff(p)	Upper	Lower	Disc. Index	l onic bis	COITCCE AIISV	A	В		)	E	Unanswere
	23	<b>×</b> 0.69	94.12%	46.67%	0.47	<b>√</b> 0.42	В	59	*265	24	24	10	0
_							% Selected	15.45	69.37	6.28	6.28	2.62	0
<del>.</del>						Point Bis	erial (rpb)	0.13	0.42	0.33	0.15	0.19	
 	24	<b>×</b> 0.7	73.11%	68.57%	0.05	<b>×</b> 0.05	С	0	99	*266	11	6	0
							% Selected	0	25.92	69.63	2.88	1.57	0
						Point Bis	erial (rpb)	0	0.01	0.05	0.1	0.01	
lajority	25	0.95	100.00%	82.86%	0.17	<b>√</b> 0.5	D	8	7	1	*362	4	0
							% Selected	2.09	1.83	0.26	94.76	1.05	0
						Point Bis	erial (rpb)	0.32	0.34	0.09	0.5	0.17	
lajority	26	0.89	100.00%	71.43%	0.29	<b>√</b> 0.45	D	9	18	10	*340	5	0
							% Selected	2.36	4.71	2.62	89.01	1.31	0
						Point Bis	erial (rpb)	0.15	0.32	0.28	0.45	0.06	
	27	<b>√</b> 0.95	99.16%	84.76%	0.14	<b>√</b> 0.34	A	*361	6	10	4	1	0
							% Selected	94.5	1.57	2.62	1.05	0.26	0
						Point Bis	erial (rpb)	0.34	0.19	0.18	0.21	0.09	
	28	0.91	97.48%	80.00%	0.17	0.24		6	14	*346	10	6	0

	Exam Ta Median =		32	KR20 = Min = 2		Stdev Max =			59.92 (8 ts = 70.00				
	Ques #		Responses	14111 — 2	Disc. Index		_			s (*Indicates c	orrect ar	nswer)	
lajority	Ques "	Diff(p)	Upper	Lower	Disci znack		0011001711151	A	В	c r		E	Unanswered
							% Selected	1.57	3.66	90.58	2.62	1.57	0
						Point Bis	serial (rpb)	0.13	0.17	0.24	0.09	0.06	
1ajority	2	<b>9  √</b> 0.95	100.00%	84.76%	0.15	0.3	D	7	6	2	*361	6	0
							% Selected	1.83	1.57	0.52	94.5	1.57	0
						Point Bis	serial (rpb)	0.17	0.17	0	0.3	0.19	
	3	0.88	94.96%	82.86%	0.12	0.13	С	39	1	*337	4	0	1
							% Selected	10.21	0.26	88.22	1.05	0	0.26
						Point Bis	serial (rpb)	0.05	0.05	0.13	0.23	0	
	3	<b>1</b> 0.86	96.64%	64.76%	0.32	0.45	E	11	5	10	27	*329	0
							% Selected	2.88	1.31	2.62	7.07	86.13	0
						Point Bis	serial (rpb)	0.25	0.16	0.21	0.24	0.45	
	3	2 0.87	94.12%	78.10%	0.16	0.26	E	6	4	3	35	*334	0
							% Selected	1.57	1.05	0.79	9.16	87.43	0
						Point Bis	serial (rpb)	0.3	0.03	0.15	0.11	0.26	
	3	3 × 0.62	93.28%	25.71%	0.68	3 ✔ 0.51	E	25	8	90	21	*238	0
							% Selected	6.54	2.09	23.56	5.5	62.3	0

	Exam Tak Median =		32	KR20 = Min = 2		Stdev Max =			= 59.92 (8 ts = 70.00				
	Ques #		Responses		Disc. Index					s (*Indicates c	orrect ar	nswer)	
Majority		Diff(p)	Upper	Lower				A	В	С	)	E	Unanswered
	-					Point Bis	serial (rpb)	0.24	0.22	0.33	0.08	0.51	
	34	<b>1</b> × 0.57	66.39%	43.81%	0.23	0.23	D	27	31	99	*216	9	0
							% Selected	7.07	8.12	25.92	56.54	2.36	0
						Point Bis	serial (rpb)	0.17	0.07	0.05	0.23	0.17	
	35	0.95	97.48%	90.48%	0.07	<b>' ※</b> 0.15	В	5	*362	11	4	0	0
							% Selected	1.31	94.76	2.88	1.05	0	0
						Point Bis	serial (rpb)	0.01	0.15	0.08	0.21	0	
	36	0.8	90.76%	68.57%	0.22	0.24	С	11	28	*304	24	15	0
							% Selected	2.88	7.33	79.58	6.28	3.93	0
						Point Bis	serial (rpb)	0.09	0.07	0.24	0.15	0.13	
	37	0.96	99.16%	88.57%	0.11	. 🗸 0.35	E	6	2	3	6	*365	0
							% Selected	1.57	0.52	0.79	1.57	95.55	0
						Point Bis	serial (rpb)	0.3	0.1	0.13	0.12	0.35	
Majority	38	3 <b>√</b> 0.97	100.00%	90.48%	0.1	. 🗸 0.3	В	0	*370	0	2	10	0
							% Selected	0	96.86	0	0.52	2.62	0
						Point Bis	serial (rpb)	0	0.3	0	0.2	0.24	9/5

ejority	Diff(p)  39    0.93  40   0.97  41   0.85	96.64% 100.00%	90.48%	Point Biserial (rpb)  0.06 № 0.15 B  % Selected  Point Biserial (rpb)  0.1	9 2.36 0.12 1 0.26 0.03	*357  93.46  0.15  10  2.62  0.37			0.52 0.24 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	<b>39 </b> ✓ 0.93 <b>40 </b> ✓ 0.97 <b>41</b> ✓ 0.85	96.64%	90.48%	% Selecter  Point Biserial (rpb)  0.1	9 2.36 0.12 1 0.26 0.03	*357 93.46 0.15 10 2.62 0.37	13 3.4 0.01 1 0.26 0.1	1 0.26 0.09 *370 96.86 0.38	0.52 0.24 0 0	0 0
jority	<b>40 </b>	100.00%	89.52%	% Selecter  Point Biserial (rpb)  0.1	1 2.36 0.12 1 0.26 0.03	93.46 0.15 10 2.62 0.37	3.4 0.01 1 0.26 0.1	0.26 0.09 *370 96.86 0.38	0.52 0.24 0 0 0	0 0
jority	<b>40 </b>	100.00%	89.52%	% Selecter  Point Biserial (rpb)  0.1	1 2.36 0.12 1 0.26 0.03	93.46 0.15 10 2.62 0.37	3.4 0.01 1 0.26 0.1	0.26 0.09 *370 96.86 0.38	0.52 0.24 0 0 0	0 0
ijority	41 0.85			Point Biserial (rpb)  0.1	0.12 1 0.26 0.03	0.15 10 2.62 0.37	0.01 1 0.26 0.1	0.09 *370 96.86 0.38	0.24 0 0 0	0 0
jority	41 0.85			Point Biserial (rpb)  0.1	0.12 1 0.26 0.03	0.15 10 2.62 0.37	0.01 1 0.26 0.1	0.09 *370 96.86 0.38	0.24 0 0 0	0 0
jority	41 0.85			0.1    0.38 D	1 0.26 0.03	10 2.62 0.37	0.26 0.1	*370 96.86 0.38	0 0 0	0
jority	41 0.85			% Selected  Point Biserial (rpb)  0.37   0.49 D  % Selected	0.26	2.62 0.37	0.26	96.86 0.38 *325	0 0	0
		98.32%	60.95%	Point Biserial (rpb)  0.37   ✓ 0.49 D  % Selected	0.03	0.37	0.1	0.38	0 16	0
		98.32%	60.95%	0.37 <b>√</b> 0.49 D <b>%</b> Selected	34	3	4	*325	16	
		98.32%	60.95%	% Selecte						
					8.9	0.79	1.05	85.08	4 19	0
				Point Biserial (rpb)					7.17	
					0.38	0.04	0.08	0.49	0.27	
	<b>42</b> × 0.81	95.80%	60.00%	0.36 <b>√</b> 0.37 B	3	*309	34	15	21	0
				% Selecte	l 0.79	80.89	8.9	3.93	5.5	0
				Point Biserial (rpb)	0.05	0.37	0.16	0.18	0.26	
	<b>43</b> × 0.58	74.79%	31.43%	0.43 <b>√</b> 0.34 B	3	*220	11	78	70	0
				% Selecte	l 0.79	57.59	2.88	20.42	18.32	0
				Point Biserial (rpb)	0.03	0.34	0.22	0.16	0.17	
iority										

	Median =	= 62.00		Min = 2		Max =			ts = 70.00				
	Ques #	Correct	Responses		Disc. Index	Point Bis	Correct Answ	Response	Frequencie	s (*Indicates c	orrect ar	nswer)	
jority		Diff(p)	Upper	Lower				A	В	C	)	E	Unanswered
							% Selected	5.24	89.01	3.93	1.83	0	0
						Point Bis	serial (rpb)	0.35	0.48	0.23	0.2	0	
ajority	4	<b>15 </b> ✓ 1	100.00%	99.05%	0.01	0.06	Α	*381	0	0	0	1	0
							% Selected	99.74	0	0	0	0.26	0
						Point Bis	serial (rpb)	0.06	0	0	0	0.06	
	4	<b>16 </b>	94.96%	59.05%	0.36	0.46	С	39	9	*311	7	16	0
							% Selected	10.21	2.36	81.41	1.83	4.19	0
						Point Bis	serial (rpb)	0.33	0.29	0.46	0.08	0.11	
	4	1 <b>7 ※</b> 0.8	97.48%	55.24%	0.42	0.4	В	54	*304	16	0	7	1
							% Selected	14.14	79.58	4.19	0	1.83	0.26
						Point Bis	serial (rpb)	0.21	0.4	0.28	0	0.24	
	4	<b>18 </b> ✓ 0.94	99.16%	85.71%	0.13	3   ✓ 0.3	Α	*359	5	13	1	4	0
							% Selected	93.98	1.31	3.4	0.26	1.05	0
						Point Bis	serial (rpb)	0.3	0.07	0.25	0.06	0.15	
	4	<b>19</b> 0.84	94.96%	72.38%	0.23	3 0.21	С	52	8	*322	0	0	0
							% Selected	13.61	2.09	84.29	0	0	0 9

	1edian =	cers = 38 62.00		KR20 = Min = 2			= 7.52 70.00		: 59.92 (8 ts = 70.0					
Q	ues #	Correct R	Responses		Disc. Index	Point Bi	se Correct Ans	Response	Frequencie	s (*Indica	ates c	orrect an	swer)	
ajority		Diff(p)	Upper	Lower				A	В	С	I	ס	E	Unanswered
						Point Bi	serial (rpb)	0.17	0.11		0.21	0	0	
	5(	<b>0</b> 🗸 0.92	99.16%	83.81%	0.15	0.26	D	5	0		3	*350	24	0
							% Selected	1.31	0		0.79	91.62	6.28	0
						Point Bi	serial (rpb)	0.13	0		0.16	0.26	0.17	
	5:	<b>1</b> 💢 0.77	90.76%	61.90%	0.29	0.29	E	23	4		6	55	*294	0
							% Selected	6.02	1.05		1.57	14.4	76.96	0
						Point Bis	serial (rpb)	0.17	0.22		0.18	0.1	0.29	
lajority	52	<b>2 </b> ✓ 0.98	100.00%	91.43%	0.09	0.32	E	5	2		1	1	*373	0
•••							% Selected	1.31	0.52		0.26	0.26	97.64	0
						Point Bi	serial (rpb)	0.24	0.13		0.11	0.13	0.32	
	5:	<b>3</b> 0.86	99.16%	67.62%	0.32	2 <b>√</b> 0.36	D	10	8		20	*327	17	0
							% Selected	2.62	2.09		5.24	85.6	4.45	0
						Point Bi	serial (rpb)	0.09	0.14		0.29	0.36	0.14	
	54	<b>4</b> 0.9	98.32%	75.24%	0.23	3 <b>✓</b> 0.34	D	4	3		0	*344	31	0
							% Selected	1.05	0.79		0	90.05	8.12	0
						Point Bi	serial (rpb)	0.17	0.11		0	0.34	0.28	9/

	Ques #	= 62.00	Responses	Min = 2	Disc. Index	Max =			s = 70.00	(*Indicates c	nrrect and	swer)	
rity	Ques #	Diff(p)	Upper	Lower	Disc. Ilidex	Polit Bis	Secorrect Allsv	A	B	C C		E	Unanswere
ority		<b>55 </b> ✓ 0.98	100.00%	97.14%	0.03	<b>×</b> 0.15	В	1	*376	0	0	5	0
							% Selected	0.26	98.43	0	0	1.31	0
						Point Bis	serial (rpb)	0.27	0.15	0	0	0.04	
		<b>56 ※</b> 0.67	84.87%	54.29%	0.31	0.21	С	9	38	*257	48	30	0
							% Selected	2.36	9.95	67.28	12.57	7.85	0
						Point Bis	serial (rpb)	0.04	0.08	0.21	0.13	0.09	
		<b>57</b> 0.87	95.80%	72.38%	0.23	0.3	В	6	*334	0	10	32	0
•							% Selected	1.57	87.43	0	2.62	8.38	0
						Point Bis	serial (rpb)	0.21	0.3	0	0.25	0.12	
		<b>58</b> 0.9	99.16%	71.43%	0.28	0.4	С	7	27	*343	4	1	0
							% Selected	1.83	7.07	89.79	1.05	0.26	0
						Point Bis	serial (rpb)	0.11	0.38	0.4	0.02	0.13	
•		<b>59 ※</b> 0.84	97.48%	64.76%	0.33	0.38	D	6	5	4	*321	46	0
							% Selected	1.57	1.31	1.05	84.03	12.04	0
						Point Bis	serial (rpb)	0.31	0.23	0.04	0.38	0.21	

		= 62.00		Min = 2		Max =			s = 70.00				
_	ues #		Responses	1	Disc. Index	Point Bis	Correct Ansv		_	s (*Indicates o			
jority		Diff(p)	Upper	Lower		0		A	В		D	E	Unanswered
jority		0.98	100.00%	95.24%	0.05	0.21	D	3		0	*375	3	
							% Selected	0.79	0.26	0	98.17	0.79	0
						Point Bis	serial (rpb)	0.1	0.11	0	0.21	0.15	
	(	<b>51 ×</b> 0.81	96.64%	63.81%	0.33	<b>√</b> 0.39	A	*311	23	20	18	9	1
							% Selected	81.41	6.02	5.24	4.71	2.36	0.26
						Point Bis	serial (rpb)	0.39	0.21	0.11	0.15	0.3	
		<b>52</b> × 0.82	94.12%	60.00%	0.34	<b>√</b> 0.4	D	32	2	1	*313	34	0
							% Selected	8.38	0.52	0.26	81.94	8.9	0
						Point Bis	serial (rpb)	0.24	0.12	0.1	0.4	0.26	
	(	<b>53 </b>	97.48%	66.67%	0.31	<b>√</b> 0.35	A	*324	9	14	1	34	0
							% Selected	84.82	2.36	3.66	0.26	8.9	0
						Point Bis	serial (rpb)	0.35	0.12	0.09	0.01	0.32	
ajority	(	<b>54 </b> ✓ 0.96	100.00%	86.67%	0.13	<b>√</b> 0.41	С	2	2	*365	10	3	0
							% Selected	0.52	0.52	95.55	2.62	0.79	0
						Point Bis	serial (rpb)	0.23	0.02	0.41	0.25	0.33	
		<b>55</b> 0.93	99.16%	80.95%	0.10	₹ 0.27	A	*356	2	12	4	 7	 1

	Median =		Responses	Min = 2			70.00		s = 70.00	s (*Indicates c	orrost or	cwor)	
ity	Ques #	Diff(p)	Upper	Lower	Disc. Index	Point Bis	Secorrect Ansv	A	B		orrect an	E	Unanswered
Ly		Dill(p)	Орреі	Lower			% Selected	93.19	0.52	3.14	1.05	1.83	0.26
						Point Bis	serial (rpb)	0.27	0.1	0.15	0.24	0.09	
	6	<b>6  ※</b> 0.78	93.28%	60.00%	0.33	<b>√</b> 0.4	С	46	18	*298	13	7	0
							% Selected	12.04	4.71	78.01	3.4	1.83	0
						Point Bis	serial (rpb)	0.18	0.33	0.4	0.17	0.03	
	6	<b>7 ※</b> 0.86	96.64%	72.38%	0.24	<b>√</b> 0.37	С	12	27	*330	13	0	0
							% Selected	3.14	7.07	86.39	3.4	0	0
						Point Bis	serial (rpb)	0.25	0.24	0.37	0.12	0	
	6	<b>8 ※</b> 0.79	94.96%	57.14%	0.38	0.42	D	3	64	12	*303	0	0
							% Selected	0.79	16.75	3.14	79.32	0	0
						Point Bis	serial (rpb)	0.07	0.32	0.26	0.42	0	
	6	<b>9  √</b> 0.92	98.32%	76.19%	0.22	<b>√</b> 0.39	E	14	14	3	0	*351	0
							% Selected	3.66	3.66	0.79	0	91.88	0
						Point Bis	serial (rpb)	0.24	0.29	0.07	0	0.39	
rity	7	<b>0 </b> ✓ 0.93	100.00%	79.05%	0.21	<b>√</b> 0.47	D	13	3	6	*354	5	1
													0.26 9

		xam Takers = 382 ledian = 62.00 ues #   Correct Responses				Stdev =			59.92 (8 ts = 70.00	-			
	Ques #	Correct Re	sponses		Disc. Index	Point Bise	Correct Ansv	Response	Frequencies	(*Indicate	es correc	t answer)	
Majority		Diff(p)	Upper	Lower				A	В	С	D	E	Unanswered
						Point Bise	erial (rpb)	0.32	0.13	0.	21 0.	47 0.23	
	71	<b>×</b> 0.77	91.60%	56.19%	0.35	<b>√</b> 0.38	D	23	16		20 *2	93 30	0
							% Selected	6.02	4.19	5.	24 76	5.7 7.85	0
						Point Bise	erial (rpb)	0.11	0.04	0.	24 0.	38 0.27	

Exam Takers = 382 KR20 = 0.87Stdev = 7.52Mean = 59.92 (85.61%) Median = 62.00 Min = 21.00Max = 70.00Total Pts = 70.00**Correct Responses** Response Frequencies (\*Indicates correct answer) Avg Question Disc. **Point** Correct **Biserial** Index Answer Diff(p) Upper Lower В Unanswered Time 0.78 97.48% 52.38% 0.45 0.43 \*299 11 31 23 0 00:03 Question ID / Rev: 37476 / 3 78.27 2.88 8.12 6.02 4.71 0.00 % Selected Point Biserial (rpb) -0.20 -0.21 -0.18-0.21 Q: Theophylline is a specific phosphodiesterase (PDE3) inhibitor that can be used to treat severe obstructive lung disease. This drug results in which of the following changes in the signalling pathways? \* A: Increase in cAMP--->increase in Gs signaling B: Decrease in cAMP--> increase in Gs signaling C: Increase in cAMP-->increase in Gi signaling D: Decrease in cAMP--> decrease in Gi signaling E: Increase in cAMP-->increase in Gq signaling 0.82 94.96% 66.67% 0.28 0.31 В \*313 15 6 39 00:03 1.57 0.26 Question ID / Rev: 18503 / 11 % Selected 2.09 81.94 3.93 10.21 -0.28Point Biserial (rpb) -0.11 0.31 0.02 -0.17 Q: The brain is very dependent on glucose for fuel (although it can use ketones bodies if necessary) Which of the following statements describe the status of glucose transport into the brain of an uncontrolled Type 1 diabetic patient who has no endogenous insulin? A: Under these conditions there is no glucose transport into the brain and the patient goes into a coma \* B: Under these conditions, there is still glucose transport into the brain because GLUT-1 is not insulin dependent C: In a Type 1 diabetic patient, the brain mainly uses ketone bodies in the fed state since its GLUT-4 transporter is insulin sensitive D: Glucose transport in the brain does not require a glucose transporter and uses simple diffusion based on a concentration gradient E: Under these conditions, there is still glucose transport into the brain via GLUT-2 which is not insulin-dependent 88.24% \*302 0.79 70.48% 0.18 0.20 Ε 52 20 5 0 00:03 Question ID / Rev: 37438 / 5 0.79 13.61 5.24 1.31 79.06 0.00 % Selected -0.03 Point Biserial (rpb) -0.07 -0.16 -0.170.20 Q: Tisha is a 16-year old female brought to the ER for multiple episodes of vomiting and rapid deterioration of her condition. Pertinent history includes nausea and epigastric pain of 10 hours' duration. Her parents think that she might have ingested something. On physical examination, she was lethargic, blood pressure = 100/60, respiration = 18/min (normal = 16 - 20), heart rate = 110/min. Her blood gas results on admission were as follows: arterial pH = 7.4, PCO2 = 40 mm Hg , Na+ =144 mEq/L , Cl- = 100 mEq/L , HCO3- = 24 mEq/L. Which of the following best explains Tisha's clinical presentation? A: Tisha does not have any acid-base disorder and therefore her blood pH is normal B: Tisha has metabolic acidosis as a result of ingestion of a poison C: Tisha's vomiting is a compensatory mechanism **D**: Tisha has respiratory acidosis as a compensatory mechanism \* E: Tisha has a mixed acid-base disorder \*325 0.85 96.64% 0.41 В 14 7 28 8 00:02 Question ID / Rev: 29781 / 6 % Selected 3.66 85.08 1.83 7.33 2.09 0.00 Point Biserial (rpb) 0.41 -0.11 -0.21-0.20 Q: Decreased expression of which of the following proteins could cause Ehlers-Danlos syndrome? A: Elastin \* B: Lysyl hydroxylase C: Elastase D: Fibrillin E: α1-Antitrypsin 0.90 97.48% 77.14% 0.20 0.33 26 \*344 10 0 2 00:03 Question ID / Rev: 37437 / 3 % Selected 6.81 90.05 2.62 0.00 0.52 0.00

Q: When the concentration of substrate in an enzymatic reaction is equal to the KM, which of the following represents the velocity of the reaction?

A: VMax

Point Biserial (rpb)

-0.26

0.33

- \* **B**: 50% of the VMax
- C: Twice the VMax
- D: Ten times the VMax
- E: 10% of the VMax

Question	_(	Correct Resp	oonses	Disc.	Point	Correct				Res	sponse Fred	uencies_(*I	ndicates c	orrect ansy	/er)			Avg
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	Α	В	С	D	Е	F	G	Н	1	J	Unanswered	Answer Time
7	0.88	94.96%	78.10%	0.17	0.28	E	12	3	5	24	*338	-	-	-	-	-	0	00:01
uestion ID	/ Rev: 37	449 / 4		-	-	% Selected	3.14	0.79	1.31	6.28	88.48	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.10	-0.29	-0.11	-0.15	0.28	-	-	-	-	-	-	-
						e conversion of of the following								r the heart t	ype (H) or the	e liver type (	L). Five different iso	oenzymes o
8	0.92	98.32%	81.90%	0.16	0.33	С	4	19	*351	5	3	-	-	-	-	-	0	00:02
estion ID	/ Rev: 37	466 / 3		-	-	% Selected	1.05	4.97	91.88	1.31	0.79	-	-	-	-	-	0.00	-
-	_	-	-	-	Point I	Biserial (rpb)	-0.16	-0.23	0.33	-0.15	-0.08	-	-	-	-	-	-	-
<b>E:</b> The v	elocity vs [ 0.72	substrate] cu 89.92%	inhibition show rve becomes s 51.43%		0.34	В	29	*276	15	19	43	-	-	-	-	-	0	00:01
					0.34	В	29	*276	15	19	43	_	_	_	_	_	0	00:01
estion ID	/ Rev: 37	446 / 2		-	-	% Selected	7.59	72.25	3.93	4.97	11.26	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.25	0.34	-0.15	-0.08	-0.12	-	-	-	-	-	-	-
A: The e B: The er C: The e D: The e	nzyme vel nzyme velo nzyme vel nzyme vel	ocity is at 1/2 city is at 1/2 cocity is at 1/2 cocity is at its ocity is at 1/2	the maximal rathe maximal ra the maximal rate w	ate when 100 te when 50% when 50% of ate when 100	0% of the enz of the enzynthe enzyme r o% of the sub	peying Michaelis cyme molecules one molecules conta ostrate molecules cyme D	contain bo ontain bour ain bound s	ound substra nd substrate ubstrate		zyme *349	10	-	-	-	-	-	0	00:03
estion ID	/ Rev: 37	442 / 4		-	-	% Selected	1.83	0.26	3.93	91.36	2.62	-	-	-	-	-	0.00	-
_	_	-	_	_	Point I	Biserial (rpb)	-0.08	-0.08	-0.16	0.27	-0.18	_	_	_	_	_	-	_
						sed by a mutar al albumin, is r											e mutant protein sho for arginine?	ow that an
11	0.93	100.00%	80.95%	0.19	0.35	С	15	1	*356	2	8	-	-	-	-	-	0	00:02
estion ID	/ Rev: 37	458 / 2		-	-	% Selected	3.93	0.26	93.19	0.52	2.09	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.28	-0.04	0.35	-0.14	-0.15	-	-	-	-	-	-	-
A: Comp B: Reve	ovalently a etitive inhi sible inhib	bition ition	erine residue a	t the active s	ite of cycloox	ygenase (COX	) isozymes	. Which of th	e following	mechanism	is is consiste	ent with the e	effects of as	spirin on CO	X enzymes?			

\* C: Suicide inhibition

D: Non-competitive inhibition
E: Allosteric inhibition

Question	Correct Resp	onses	Disc.	Point	Correct				Re	sponse Fre	quencies <u>(</u> *	Indicates o	orrect answ	er)			Avg
# Dif	f(p) Upper	Lower	Index	Biserial	Answer	Α	В	С	D	Е	F	G	Н	1	J	Unanswered	Answe Time
12 0.80	88.24%	76.19%	0.12	0.11	В	7	*306	4	9	56	-	-	-	-	-	0	00:03
estion ID / Rev	r: 37469 / 2		-	-	% Selected	1.83	80.10	1.05	2.36	14.66	-	-	-	-	-	0.00	-
	-	-	_	Point	Biserial (rpb)	-0.05	0.11	-0.23	-0.05	-0.02	_	_	_	_	-	-	_
e same sympton A: Blood level B: Blood level C: Blood level D: Blood level	ns. After treatment of cyanomethemo of carboxyhemoglo of HbA1c	t with 100% ox oglobin obin											went nome.	wo days la	iter triey reto	irned from their cour	ili y Cabiii
<b>13</b> 0.88	94.96%	80.00%	0.15	0.14	Α	*337	12	6	21	5	-	-	-	-	-	1	00:02
estion ID / Rev	r: 37433 / 5		-	-	% Selected	88.22	3.14	1.57	5.50	1.31	-	-	-	-	-	0.26	-
	-	-	-	Point	Biserial (rpb)	0.14	-0.09	-0.05	-0.11	-0.03	-	-	-	-	-	-	-
<ul><li>B: Aspartic aci</li><li>C: Asparagine</li><li>D: Aspartic aci</li><li>E: Asparagine</li><li>14 0.87</li></ul>	and tyrosine	67.62%	0.29	0.47	В	7	*331	29	9	6	-	-	-	_	-	0	00:02
estion ID / Rev			_	_	% Selected	1.83	86.65	7.59	2.36	1.57	_	_	_	_	_	0.00	_
	_	_	_	Point	Biserial (rpb)	-0.19	0.47	-0.31	-0.28	-0.08	_	_	_	_	_	-	_
Hydrops fetalis A: Cooley's an B: α-Thalassem C: β-Thalassed D: Sickle cell d E: Ehlers-Danl	nia mia isease	e form of															
<b>15</b> 0.95	100.00%	86.67%	0.13	0.30	Α	*364	1	1	7	9	-	-	-	-	-	0	13:43
estion ID / Rev	r: 26038 / 5		-	-	% Selected	95.29	0.26	0.26	1.83	2.36	-	-	-	-	-	0.00	-
	-	-	-	Point	Biserial (rpb)	0.30	-0.03	-0.01	-0.21	-0.22	-	-	-	-	-	-	-
ain by blocking of A: Complex II c B: Uncoupling C: NADH accu D: ATP syntha	mytal) is a barbitu Complex I. When an donate electro allows the proton mulates and drive se acts independe donate electrons o	Complex I is in ns to Complex gradient to for es electron tran ently of electro	nhibited by A III, bypassir m across in nsport forwal n transport o	Amobarbital, s ng Complex I ner mitochono rd chain	ome ATP gener										JNS, is its in	hibition of the electro	on transpo
<b>16</b> 0.98	100.00%	95.24%	0.05	0.09	C	3	5	*374	0	0	-	<b>-</b> .	-	-	-	0	00:03
estion ID / Rev	r: 42 / 15		-	-	% Selected	0.79	1.31	97.91	0.00	0.00	-	-	-	-	-	0.00	-
	-	-	-	Point	Biserial (rpb)	-0.04	-0.08	0.09	0.00	0.00	-	-	-	-	-	-	-
	00 mEq/L. Which acidosis lkalosis alkalosis					ary embolis	m occurred	I. Shortness	of breath d	eveloped rap	pidly. Blood	chemistry s	showed pH 7	50, pCO2 :	30 mm Hg, [	HCO3-] 24 mEq/L, [I	Na+] 138

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A																		Aven
Question #	_	orrect Respo		Disc.	Point Biserial	Correct Answer					sponse Fre	quencies (*	Indicates co	orrect answ	er)			Avg Answer
"	Diff(p)	Upper	Lower	index	Diserial	Allswei	Α	В	С	D	E	F	G	Н		J	Unanswered	Time
17	0.96	100.00%	86.67%	0.13	0.45	Α	*365	6	5	4	2	-	-	-	-	-	0	00:03
Question IE	D / Rev: 374	35 / 2		-	-	% Selected	95.55	1.57	1.31	1.05	0.52	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	0.45	-0.25	-0.35	-0.11	-0.15	-	-	-	-	-	-	-
* A: Inhibit B: Inhibit C: Unco D: Direc	s due to which ion of cytoch ition of ubique bupling of the ct inhibition of	ch of the follo rrome c oxida inone:cytoch	wing reasons ise rome c reduc al electron tra se	? tase		as been expose	ed to a higi	h concentrati	on of hydro	gen cyanid	e gas. He los	t conscious	ness and su	ffered cardic	pulmonar	y arrest. The	sudden loss of hear	t and mental
18	0.97	100.00%	91.43%	0.09	0.38	С	2	0	*372	5	3	-	-	-	-	-	0	00:02
Question IE	D / Rev: 374	61 / 13		-	-	% Selected	0.52	0.00	97.38	1.31	0.79	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.13	0.00	0.38	-0.21	-0.30	-	-	-	-	-	-	-
D: Gluco E: Gluco 19	ose + Fructo ose 6-phosp 0.78	se → Sucros hate → Fructo 95.80%	= - 7.3 kcal/m e + H2O (ΔG <sup>o</sup> ose 6-phosph 48.57%	°' = +6.5 kcal		D	43	8	27	*297	7	-	-	-	-	-	0	00:02
Question ID	D / Rev: 262	81 / 4		-	-	% Selected	11.26	2.09	7.07	77.75	1.83	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.24	-0.28										
oncogenic b	ecause of w	hich of the fo	d in 90% of pa						-0.22	0.47	-0.16	-	-	-	-	-	-	-
C: Mutar * D: Mutan E: Mutar	nt Ras cann it Ras canno nt Ras cann	ciates readily ot exchange t hydrolyze G ot recruit Raf	GDP for GTP TP to the plasma	ns? ity a membrane			osition 12	in Ras protei	n is replace	d with a va	ine. Mutant	- Ras constitu	- ntively activa	- tes the MAP	- kinase pa	- athway and ce	ell proliferation. This	
C: Mutar * D: Mutan E: Mutar 20	nt Ras cann it Ras canno nt Ras canno 0.57	ociates readily ot exchange t hydrolyze G ot recruit Raf 82.35%	n kinase activ from Raf GDP for GTP TP	ns? ity	ocers in which	С	osition 12	in Ras protei	n is replace	d with a va	ine. Mutant	- Ras constitu - -	- utively activa	- tes the MAP	- kinase pa	- athway and co	0	mutation is
C: Mutar * D: Mutan E: Mutar	nt Ras cann it Ras canno nt Ras canno 0.57	ociates readily ot exchange t hydrolyze G ot recruit Raf 82.35%	n kinase activ r from Raf GDP for GTP GTP to the plasma	ns? ity a membrane	0.48	C % Selected	83 21.73	66 17.28	*219 57.33	d with a va	ine. Mutant	- Ras constitu - -	- utively activa - -	- tes the MAP - -	- kinase pa - -	- athway and co		
C: Mutan * D: Mutan E: Mutan 20  Question ID	nt Ras canno nt Ras canno nt Ras canno 0.57 D / Rev: 260	ciates readily ot exchange t hydrolyze G ot recruit Raf 82.35% 52 / 6	n kinase activer from Raf GDP for GTP to the plasma 20.00%	ns? ity a membrane 0.62 -	0.48 - Point	C % Selected Biserial (rpb)	osition 12	in Ras protei	n is replace	d with a va	ine. Mutant	- Ras constitu - - -	- utively activa - - -	tes the MAP	- kinase pa - - -	- athway and co	0	
C: Mutan * D: Mutan E: Mutan 20  Question IE - Q: Why is a A: Nitrite B: Nitrite * C: Nitrite D: Nitrite	nt Ras cannot Ras cannot Ras cannot Ras canno 0.57  O / Rev: 260  - administration ces convert Ces convert Ces coxidize Hbes cause an	ciates readily ot exchange e t hydrolyze G ot recruit Raf 82.35% 52 / 6  - n of sodium n N- to thiocyal with CN- for b A to MetHb w increase in H	n kinase activ from Raf GDP for GTP iTP to the plasma 20.00%  - itrite a suitable nate which is	a membrane 0.62 - te treatment to less toxic mplex IV in the ers CN- n leading to a	0.48  -  Point for cyanide point reale electron tra	C % Selected Biserial (rpb)	83 21.73	66 17.28	*219 57.33	4 1.05	10 2.62	- Ras constitu - - -	- utively activa	tes the MAP	- kinase pa	- athway and co	0	
C: Mutan * D: Mutan E: Mutan 20  Question IE - Q: Why is a A: Nitrite B: Nitrite * C: Nitrite D: Nitrite	nt Ras cannot Ras cannot Ras cannot Ras canno 0.57  O / Rev: 260  - dministration ees convert Ces convert Ces coxidize Hb ees cause an ees compete	ciates readily ot exchange e t hydrolyze G ot recruit Raf 82.35% 52 / 6  - n of sodium n N- to thiocyal with CN- for b A to MetHb w increase in H	n kinase activ from Raf GDP for GTP iTP to the plasma 20.00%  titrite a suitabl nate which is iniding to Cor which sequest bF production	a membrane 0.62 - te treatment to less toxic mplex IV in the ers CN- n leading to a	0.48  -  Point for cyanide point reale electron tra	C % Selected Biserial (rpb) bisoning?	83 21.73	66 17.28	*219 57.33	4 1.05	10 2.62	- Ras constitu - - -	- itively activa	tes the MAP	- kinase pa	- athway and co	0	
C: Mutan * D: Mutan E: Mutan 20  Question IE - Q: Why is a A: Nitrite B: Nitrite D: Nitrite E: Nitrite	nt Ras cannot Ras cann	ciates readily of exchange in hydrolyze Got recruit Raf 82.35%  52 / 6  n of sodium n N- to thiocyal with CN- for b A to MetHb wincrease in Hwith CN- for b 99.16%	n kinase activ from Raf GDP for GTP iTP to the plasma 20.00%  itrite a suitabl nate which is ordinich sequest bF production inding to HbA	a membrane 0.62 - le treatment the less toxic mplex IV in the rers CN- n leading to a	0.48  -  Point for cyanide point real electron training a lower P50	C % Selected Biserial (rpb) bisoning? ansport chain	83 21.73 -0.30	66 17.28 -0.17	*219 57.33 0.48	4 1.05 -0.05	10 2.62 -0.26	- Ras constitu - - - -		tes the MAP	- kinase pa	- athway and co	0 0.00 -	00:02 - -

Q: Jasmine D. is a 21-year old African-American female brought to the ER for unbearable pain in her back, abdomen and extremities, after a night of indulgent drinking. She has sickle cell disease and had a similar crisis two years ago, during an episode of influenza. On examination, Jasmine is dehydrated, writhing in pain with BP = 90/60, respiration = 21 /min (normal = 16-20). Significant findings include pale nail beds and conjunctiva and with diffusely tender extremities on limb palpation. Her lab values on admission were as follows: Hb= 9 g/dL, Hematocrit = 27%, arterial pH = 7.36, PCO2 = 29 mm Hg, Na+ = 140 mEq/L, Cl- = 100 mEq/L, Which of the following statements is correct?

- A: Jasmine's arterial pH is normal, therefore she does not have any acid-base disorder
- B: Jasmine has metabolic acidosis even though her anion gap is normal
- C: Jasmine has metabolic alkalosis as a result of alcohol-induced dehydration
- D: Jasmine's pain crisis was due to a decrease in 2,3 BPG concentration in her red blood cells which led to sickling
- \* E: Jasmine's pain crisis was the result of metabolic acidosis which caused her red blood cells to sickle

										_	_							
Question		Correct Res	oonses	Disc.	Point	Correct				Re	sponse Fre	quencies (*	Indicates c	orrect ans	wer)		,	Avg Answer
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	Α	В	С	D	E	F	G	Н	1	J	Unanswered	Time
22	0.69	90.76%	40.95%	0.50	0.42	С	35	42	*264	16	25	-	-	-	-	-	0	00:01
Question II	D / Rev: 37	7440 / 4		-	-	% Selected	9.16	10.99	69.11	4.19	6.54	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.24	-0.08	0.42	-0.22	-0.22	-	-	-	-	-	-	-
propane-po no known h Toxic expos A: Carb B: Carb * C: Carbo D: Carb	owered fork nistory of se sure to car oon monoxi oon monoxi oon monoxi oon monoxi oon monoxi	diff truck. Pert eizures. On ph bon monoxide de has a high de binds to the de binds a lowe de has a lowe	inent history in hysical examina gas is suspecter affinity for he e central pocket heme composer affinity for he	cludes unusuation, Richard ted. Which of emoglobin the et in the midd nent in cytocl emoglobin tha	ual tiredness of was feeling of the following an oxygen redle of four Hb hrome c oxidan oxygen research	and extreme irri dizzy and confug statements is sulting in increa	tability after used with a correct regard T form decreased hift in oxygen	er his shift the heart rate garding carb m of Hb  I ATP synthegen-hemogle	ne day befo = 120/min a non monoxide esis obin dissoc	re and seve and respirati de? iation curve	re headache ion = 30 /mii	and difficult	y breathing	immediatel	y prior to ha	iving a seizur	a food company. H e. Richard is a non n by pulse oximetry	smoker with
23	0.69	94.12%	46.67%	0.47	0.42	В	59	*265	24	24	10	_	-	-	-	-	0	00:02
Question II	D / Rev: 37	7439 / 2		-	_	% Selected	15.45	69.37	6.28	6.28	2.62	-	-	_	-	-	0.00	_
_	_	_	_	_	Point	Biserial (rpb)	-0.13	0.42	-0.33	-0.15	-0.19	_	_	_	_	_	_	_
D: Both	Albuterol	and Atrovent	kinase A activity decrease cytos ncrease cytoso 68.57%	olic cAMP co	oncentrations	c phospholipase	C activity	99	*266	11	6	_	_	_	_	_	0	00:02
			00.57 /0	0.03	0.03		-					-	-	-	-	-	•	00.02
Question II	D / Rev: 37	7479 / 1		-		% Selected	0.00	25.92	69.63	2.88	1.57	-	-	-	-	-	0.00	-
	stion of sta	arch by oral ar arch by pancre	nylase eatic amylase i the duodenun			Biserial (rpb)  /hich of the follo	0.00 wing proc	-0.01 esses would	0.05 I be affecte	-0.10 d in these p	-0.01 atients?	-	-	-	-	-	-	-
B: Dige: * C: Absor D: Rele	ase of chy	me into the du																
B: Dige: * C: Absor D: Rele	ase of chy			0.17	0.50	D	8	7	1	*362	4	-	-	-	-	-	0	00:02
B: Dige: * C: Absor D: Rele: E: Abso	ease of chy orption of la 0.95	100.00%	olon	0.17	0.50	D % Selected	8 2.09	7 1.83	1 0.26	*362 94.76	4 1.05	-	- -	- -	- -	-	0	00:02
B: Dige: * C: Absor D: Rele: E: Abso 25	ease of chy orption of la 0.95	100.00%	olon	0.17	-	_		•	•		•	- - -	- - -	- - -	- - -	- - -	-	00:02

Question ID / Rev: 34250 / 6 % Selected 2.36 4.71 2.62 89.01 1.31 0.00 Point Biserial (rpb) -0.15 -0.32 0.45 -0.28 -0.06

Q: Which of the following carbohydrates contains a β-glycosidic linkage that is digestible by humans?
A: Sucrose
B: Starch
C: Glycogen
\* D: Lactose

E: Maltose

Question		Correct Resp	onses	Disc.	Point	Correct				Re	sponse Fred	quencies (*	ndicates co	orrect answ	ver)			Avg
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	Α	В	С	D	Е	F	G	Н	1	J	Unanswered	Answer Time
27	0.95	99.16%	84.76%	0.14	0.34	Α	*361	6	10	4	1	-	-	-	-	-	0	00:02
uestion II	D / Rev: 2	9758 / 3		-	-	% Selected	94.50	1.57	2.62	1.05	0.26	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	0.34	-0.19	-0.18	-0.21	-0.09	-	-	-	-	-	-	-
A: Oxido	reductase sferases olases es		s the interconv	version of py	ruvate and lad	ctate as shown	below: Pyru	ıvate + NA[	OH + H+ ↔	Lactate + N	IAD+ Lactate	e dehydroge	nase belong	gs to which o	of the following	ng classes o	of enzymes?	
28	0.91	97.48%	80.00%	0.17	0.24	С	6	14	*346	10	6	-	-	-	-	-	0	00:01
estion II	D / Rev: 2	9757 / 3		-	-	% Selected	1.57	3.66	90.58	2.62	1.57	-	-	-	-	-	0.00	-
_	-	-	-	-	Point l	Biserial (rpb)	-0.13	-0.17	0.24	-0.09	-0.06	-	-	-	-	-	-	-
A: Ala-C B: Glu-F C: Met-T D: Ile-V E: Phe-	Gly-Pro-Gl Pro-Lys-Va hr-Asn-As al-Gln-Ser Ala-Thr-Ty	n-Met al-Leu p-Gly -Arg rr-Trp				al charge at pH												
29	0.95	100.00%	84.76%	0.15	0.30	D	7	6	2	*361	6	-	-	-	-	-	0	00:03
estion II	D / Rev: 2	9753 / 5		-	-	% Selected	1.83	1.57	0.52	94.50	1.57	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.17	-0.17	0.00	0.30	-0.19	-	-	-	-	-	-	-
A: Ubiq B: FADI C: Cyto D: NADI		Cytochrome c uinone to O2 none	nits of complex	x I of electror	n transport ch	ain. Such muta	tions disrup	t energy me	•	y directly de	creasing the	rate of elec	tron transfe	r from:				
30	0.88	94.96%	82.86%	0.12	0.13	С	39	1	*337	4	0	-	-	-	-	-	1	00:03
estion II	D / Rev: 2	9750 / 2		-	-	% Selected	10.21	0.26	88.22	1.05	0.00	-	-	-	-	-	0.26	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.05	-0.05	0.13	-0.23	0.00	-	-	-	-	-	-	-
Skin fibr A: Lysir B: Alani C: Glycir D: Leuc E: Cyste	ne ine ne sine	cubated with ra	adioactive amir	no acids synt	thesize polype	eptide chains th	at assemble	e to form a	triple helix.	Which amo	ng the follow	ring amino a	cids is incor	porated as e	every third re	sidue in the	polypeptide in this	process?
31	0.86	96.64%	64.76%	0.32	0.45	Е	11	5	10	27	*329	-	-	-	-	-	0	00:02
estion II	D / Rev: 2	6284 / 2		-	-	% Selected	2.88	1.31	2.62	7.07	86.13	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.25	-0.16	-0.21	-0.24	0.45	-	-	-	-	-	-	-
A: Modu B: Prod C: Allos D: Cova	ulation of s uct inhibiti teric contr alent modif	substrate/produ on of the rate-l ol of the comm	uct levels imiting step nitted step reversible enz		ne most time	and occurs as l	ong-term re	gulatory me	echanism?									

Question		Correct Resp	oonses	Disc.	Point	Correct				Res	sponse Fre	quencies (*I	ndicates c	orrect ansv	ver)			Avg
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	Α	В	С	D	E	F	G	Н		J	Unanswered	Answer Time
32	0.87	94.12%	78.10%	0.16	0.26	E	6	4	3	35	*334	-	-	-	-	-	0	00:03
Question IC	) / Rev: 26	279 / 3		-	-	% Selected	1.57	1.05	0.79	9.16	87.43	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.30	-0.03	-0.15	-0.11	0.26	-	-	-	-	-	-	-
A: Increa B: Increa C: Increa D: Increa	ased cAMF ased IP3 d ased cAMF ased cAMF	odue to persi ue to ADP-rib odue to an in odue to ADP-	nitarian mission istent inactivation of Good in inactivation of Good in initial ini	on of Gi <sup>°</sup> q 1P phosphod <sup>-</sup> adenylate c	iesterase	y diarrhea and o	dehydratio	n and is diag	gnosed with	cholera. Th	e primary bi	ochemical e	ffect of cho	lera toxin is	which of the	following?		
33	0.62	93.28%	25.71%	0.68	0.51	Е	25	8	90	21	*238	-	-	-	-	-	0	00:03
uestion IC	) / Rev: 26	276 / 4		-	-	% Selected	6.54	2.09	23.56	5.50	62.30	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.24	-0.22	-0.33	-0.08	0.51	-	-	-	-	-	-	-
B: Prote C: MAP D: Ras	ein kinase ( ein kinase <i>A</i> kinase (EF n kinase B	RK) (Akt)																
34	0.57	66.39%	43.81%	0.23	0.23	D	27	31	99	*216	9	-	-	-	-	-	0	00:02
uestion IE	) / Rev: 26	053 / 14		-	-	% Selected	7.07	8.12	25.92	56.54	2.36	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.17	-0.07	-0.05	0.23	-0.17	-	-	-	-	-	-	-
A: A B: B C: C * D: D E: E				ŭ	'	he activation en	o,	ŕ	ŕ		,	ached figure						
35	0.95	97.48%	90.48%	0.07	0.15	В	5	*362	11	4	0	-	-	-	-	-	0	00:02
Jestion IE	D / Rev: 26	029 / 2		-	-	% Selected	1.31	94.76	2.88	1.05	0.00	-	-	-	-	-	0.00	-
-	-	-	-	-		Biserial (rpb)	0.01	0.15	-0.08	-0.21	0.00	-	-	-	-	-	-	-
taining of a  A: High  * B: High o  C: High  D: High	amyloid. When content of content	nich of the foll alpha helical eta pleated s random coils disulfide bond	lowing structur structure sheet structure	al features is	s the most like	ely characteristic					egions of the	e brain (simili	ar to the pr	otein aggreç	gates of prior	ns). These pl	aques exhibit chara	acteristic
36	0.80	90.76%	68.57%	0.22	0.24	С	11	28	*304	24	15	-	-	-	-	-	0	00:03
uestion IC	) / Rev: 26	026 / 2		-	-	% Selected	2.88	7.33	79.58	6.28	3.93	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.09	-0.07	0.24	-0.15	-0.13	-	-	-	-	-	-	-
Q: A protein A: Leu B: Ala * C: Pro D: Ile E: Val	n has one t	ansmembrar	ne domain com	nposed entire	ely of alpha-he	elical secondary	structure.	Which amin	no acid woul	d probably	not be prese	ent in the trar	ismembran	ne domain:				

Question		Correct Resp	onses	Disc.	Point	Correct				Re	sponse Fre	quencies (*I	ndicates co	rrect answ	er)			Avg
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	Α	В	С	D	E	F	G	Н	1	J	Unanswered	Answe Time
37	0.96	99.16%	88.57%	0.11	0.35	Е	6	2	3	6	*365	-	-	-	-	-	0	00:01
uestion II	D / Rev: 20	6012 / 8		-	-	% Selected	1.57	0.52	0.79	1.57	95.55	-	-	-	-	-	0.00	-
-	-	-	-	-	Point E	Biserial (rpb)	-0.30	-0.10	-0.13	-0.12	0.35	-	-	-	-	-	-	-
A: 20 B: 26 C: 30 D: 40	ar-old fema	ale smoker is o	liagnosed with	α1-antitryps	in (AAT) defic	iency and has	emphysen	na. Her arteri	al PCO2 wo	ould be bes	t approxima	ed by which	of the follow	ving values?				
38	0.97	100.00%	90.48%	0.10	0.30	В	0	*370	0	2	10	-	-	-	-	-	0	00:01
estion II	D / Rev: 14	413 / 12		-	-	% Selected	0.00	96.86	0.00	0.52	2.62	-	-	-	-	-	0.00	-
-	_	_	_	_	Point E	Biserial (rpb)	0.00	0.30	0.00	-0.20	-0.24	-	-	_	-	-	-	-
39	0.93	ap metabolic a 96.64%	90.48%	0.06	0.15	B % Salastad	9	*357	13	1	2	-	-	-	-	-	0	00:03
estion II	D / Rev: 37	7477 / 2		-	-	% Selected	2.36	93.46	3.40	0.26	0.52	-	-	-	-	-	0.00	-
-	-	-	-	-	Point E	Biserial (rpb)	-0.12	0.15	0.01	-0.09	-0.24	-	-	-	-	-	-	-
The path		iibition	e synthesis is s	shown in the	attached figur	e. The negative	e regulatio	n of the step	catalyzed b	y PRPP ar	nidotransfer	ase by IMP,	AMP and GI	MP may be	categorized	as which of	f the following?	
A: Comp B: Feedb C: Non- D: Suici E: Irreve	ack inhibi	e inhibition on	89.52%	0.10	0.38	D	1	10	1	*370	0	-	-	-	-	-	0	00:01
A: Comp B: Feedb C: Non- D: Suici E: Irreve	back inhibit competitiv de inhibitic ersible inhi	e inhibition on bition 100.00%	89.52%	0.10	0.38	D % Selected	1 0.26	10 2.62	1 0.26	*370 96.86	0	- -	-	-	- -	- -	0	00:01
A: Com B: Feedb C: Non- D: Suici E: Irreve	back inhibit competitiv de inhibitic ersible inhi 0.97	e inhibition on bition 100.00%	89.52%	0.10	-	_	-		-			- - -	- - -	- - -	- - -	- - -	-	00:01
A: Com, B: Feedb C: Non- D: Suici E: Irreve 40  aestion II  An insuli veloped b A: GLU B: GLU C: GLU	oack inhibition competitive de inhibition cersible inhibition on the control of t	e inhibition on bition 100.00% 7451 / 2 - ent diabetic pa	- tient was follow	- - wing his doct	Point E	% Selected	0.26 -0.03 tercise by	2.62 -0.37 walking brisk	0.26 -0.10 ly for 2 mile	96.86 0.38	0.00	- - - nately, he fo	- - - rgot to take I	- - - nis insulin be	- - - efore he left	- - - the house.	-	-
A: Com, B: Feedt C: Non-D: Suici E: Irreve 40  uestion II  An insuli veloped t A: GLU' B: GLU' C: GLU' D: GLUT D: GLUT	oack inhibition competitive de inhibition cersible inhibition on the control of t	e inhibition on bition 100.00% 7451 / 2 - ent diabetic pa	- tient was follow	- - wing his doct	Point E	% Selected Biserial (rpb) increase his ex	0.26 -0.03 tercise by	2.62 -0.37 walking brisk	0.26 -0.10 ly for 2 mile	96.86 0.38	0.00	- - - nately, he fo -	- - - rgot to take I	- - - nis insulin b	- - - efore he left -	the house.	0.00	-
A: Com B: Feedt C: Non- D: Suici E: Irreve 40 Juestion II - An insuli veloped t A: GLU' B: GLU' C: GLU' D: GLUT E: GLU'	oack inhibiticompetitivide inhibiticorsible inhibiticorsi	e inhibition on bition on bition 100.00%  7451 / 2  - ent diabetic pare cramps. Whi	- tient was follov ch of the follow	- - wing his doct ving glucose	Point E tor's orders to transporters v	% Selected Biserial (rpb) increase his exvould be decrease	0.26 -0.03 tercise by ased as a	2.62 -0.37 walking brisk result of his r	0.26 -0.10 ly for 2 mile noncomplial	96.86 0.38 is after a m	0.00 0.00 eal. Unfortu	- - nately, he fo - -	- - - rgot to take I - -	- - nis insulin bo	- - efore he left - -	the house.	0.00 - He became hyperg	- lycemic an

A 7-year-old Alrical-Arterical boy is admitted to the hospital with severe abdomination is most likely which of the following?

 A: Loss of quaternary structure of the hemoglobin molecule
 B: Increase in oxygen binding to the hemoglobin
 C: Gain of ionic interactions, stabilizing the "R" form of hemoglobin

 \* D: Increase in hydrophobic interactions between deoxyhemoglobin molecules
 E: Alteration in hemoglobin secondary structure leading to loss of the alpha helix

Question		Correct Resp	oonses	Disc.	Point	Correct				Re	sponse Fre	quencies (*	Indicates c	orrect ansv	wer)			Avg
#	Diff(p	) Upper	Lower	Index	Biserial	Answer	А	В	С	D	E	F	G	Н	1	J	Unanswered	Answer Time
42	0.81	95.80%	60.00%	0.36	0.37	В	3	*309	34	15	21	-	-	-	-	-	0	00:02
Question	ID / Rev: 3	7467 / 2		-	-	% Selected	0.79	80.89	8.90	3.93	5.50	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.05	0.37	-0.16	-0.18	-0.26	-	-	-	-	-	-	-
A: The * B: They C: The D: The E: The	ey all have y are forme ey are forme ey are forme ey are forme	the same prima d by hydrogen ed by hydroger ed by hydroger ed by hydroger	bonding between bonding betwee	en α-carbon een α-carbo een two adja een α-carbo	yl and the α-a nyl atom in a acent amino a nyl and α-ami	amide groups for peptide bond a cids in the prim no groups in ac	nd the side nary seque diacent pol	e-chain hydro nce ypeptide cha	ogen atoms ains	s on another		in the same	chain					00.04
43	0.58	74.79%	31.43%	0.43	0.34	В	3	*220	11	78	70	-	-	-	-	-	0	00:01
Question	ID / Rev: 3	7475 / 1		-	-	% Selected Biserial (rpb)	0.79 -0.03	57.59 0.34	2.88	20.42 -0.16	18.32 -0.17	-	-	-	-	-	0.00	-
as the cause A: Incre * B: Incre C: Incre D: Incre	reased ATF eased ratio reased rate reased oxio ease in the	sease. Which P/ADP ratio in to find the first of NADH/NAD of O2 consumblation of succineral pH of mitoches	of the following the mitochondria in mitochondria in mitochondria ite	results wou a ia	ld be expecte		t's cells wh	en compare	d to those o	of an unaffe	cted individu		nondrial DN	A, leading to	o a decrease	e in the activi	ity of Complex I and	•
44	0.89	100.00%	71.43%	0.29	0.48		20	*340	15	7	0	-	-	-	-	-	0	00:02
Question	ID / Rev: 3	7472 / 1		-	-	% Selected	5.24	89.01	3.93	1.83	0.00	-	-	-	-	-	0.00	-
A: The * B: They C: The D: The E: The	ey are diver y are inhibit ey are stimu ey yield ma ey are unre	gent ed by high [AT ılated by a higl cromolecules a gulated	n energy charge is end products	•	ays?	Biserial (rpb)	-0.35	0.48	-0.23	-0.20	0.00							
45	1.00	100.00%	99.05%	0.01	0.06	Α	*381	0	0	0	1	-	-	-	-	-	0	00:02
Question	ID / Rev: 3	7470 / 1		-	-	% Selected	99.74	0.00	0.00	0.00	0.26	-	-	-	-	-	0.00	-
* A: Enzy B: Enz C: Enz D: Enz	me lowers yme lower yme provid yme provid	the activation the equilibriu des the optimal	- s close together energy of the re m constant of tr temperature fo pH for the reac	eaction ne reaction r the reactio	an enzyme se	<b>Biserial (rpb)</b> erve to catalyze	0.06 e a reaction	0.00 1?	0.00	0.00	-0.06	-	-	-	-	-	-	-
46	0.81	94.96%	59.05%	0.36	0.46	С	39	9	*311	7	16	-	-	-	-	-	0	00:02
Question	ID / Rev: 3	7468 / 1		-	-	% Selected	10.21	2.36	81.41	1.83	4.19	-	-	-	-	-	0.00	-
A: Ami B: Seri * C: Valin D: Intra	lobin A1c of ino acid se ine phosphe glycation acellular loe of degrad	quence orylation oation	- A by which of th	- e following?		Biserial (rpb)	-0.33	-0.29	0.46	-0.08	-0.11	-	-	-	-	-	-	-

Question	Correct Responses		Disc.	Point					Re	sponse Free	quencies (*	ndicates c	orrect answ	er)			Avg Answer
#	Diff(p) Uppe	r Lower	Index	Biserial	Answer	Α	В	С	D	Е	F	G	Н	1	J	Unanswered	Time
<b>47</b> 0.	.80 97.48%	55.24%	0.42	0.40	В	54	*304	16	0	7	-	-	-	-	-	1	00:02
Question ID /	Rev: 37452 / 2		-	-	% Selected	14.14	79.58	4.19	0.00	1.83	-	-	-	-	-	0.26	-
-		-	-	Point	Biserial (rpb)	-0.21	0.40	-0.28	0.00	-0.24	-	-	-	-	-	-	-
A: SGLT-1  * B: GLUT-2  C: GLUT-4  D: GLUT-7  E: SGLT-2	ļ	ters in the intesti	inal epithelia	l cells ensure	es glucose efflux	k into the bl	ood down it	s concentra	tion gradie	nt?							
<b>48</b> 0.	.94 99.16%	85.71%	0.13	0.30	Α	*359	5	13	1	4	-	-	-	-	-	0	00:03
uestion ID /	Rev: 37460 / 1		-	-	% Selected	93.98	1.31	3.40	0.26	1.05	-	-	-	-	-	0.00	-
-		-	-	Point	Biserial (rpb)	0.30	-0.07	-0.25	-0.06	-0.15	-	-	-	-	-	-	-
* A: It has the B: It is reve C: It is alwa D: It is usua E: It is cata	abolic pathway has a e highest energy of a ersible ays the committed s ally at equilibrium alyzed by a membral .84 94.96%	activation tep		0.21	C	52	8	*322	0	0						0	00:02
		72.5070	-	0.21					•	0.00	-	-	_	_	_	0.00	00.02
Jestion ID /	Rev: 37445 / 2		-		% Selected Biserial (rpb)	13.61 -0.17	2.09	84.29 0.21	0.00	0.00	-	-	-	-	-	0.00	-
* C: Troponin D: Myoglob E: Myosin	dehydrogenase n T bin																
	.92 99.16%	83.81%	0.15	0.26	D	5	0	3	*350	24	-	-	-	-	-	0	00:04
uestion ID / I	Rev: 37459 / 1		-	-	% Selected	1.31	0.00	0.79	91.62	6.28	-	-	-	-	-	0.00	-
		-	-		Biserial (rpb)		0.00	-0.16	0.26	-0.17	-	-	-	-	-	-	-
	ollagen Collagen														z years. Pe	runent iiridings in th	e priysicai
<b>51</b> 0.	.77 90.76%	61.90%	0.29	0.29	E	23	4	6	55	*294	-	-	-	-	-	0	00:02
uestion ID /	Rev: 37455 / 1		-	-	% Selected	6.02	1.05	1.57	14.40	76.96	-	-	-	-	-	0.00	-
-		-	-	Point	Biserial (rpb)	-0.17	-0.22	-0.18	-0.10	0.29	-	-	-	-	-	-	-
	5 / 27 0 / 24 0 / 22						I amounts c	of water. Aft	er 3 days, s	he develops	light-heade	dness, espε	ecially when	sitting or sta	anding. Arter	rial blood gas analys	sis is most

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Overtical	uestion Correct Responses		Dies	Deint	0				Res	ponse Freq	uencies (*Iı	ndicates co	rrect answ	er)			Avg	
#	Diff(p)	Upper	Lower	Disc. Index	Point Biserial	Correct Answer	Α	В	С	D	Е	F	G	н	1	J	Unanswered	Answer Time
52	0.98	100.00%	91.43%	0.09	0.32	E	5	2	1	1	*373	_	_	_	_	-	0	00:01
Question I	D / Rev: 31	13 / 8		-	-	% Selected	1.31	0.52	0.26	0.26	97.64	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.24	-0.13	-0.11	-0.13	0.32	-	-	-	-	-	-	-
A: Oste B: Oste C: Ehle	eogenesis ir eogenesis ir rs-Danlos s kes disease v	mperfecta tard mperfecta con syndrome e	da Igenita	,	0.0		alone since	the death o				ists primarily	of cola and	I hot dogs. \	Which of the	following is	the most likely diag	nosis?
53	0.86	99.16%	67.62%	0.32	0.36	D	10	8	20	*327	17	-	-	-	-	-	0	00:03
Question I	D / Rev: 10	06 / 10		-	-	% Selected	2.62	2.09	5.24	85.60	4.45	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.09	-0.14	-0.29	0.36	-0.14	-	-	-	-	-	-	-
A: lonic B: Salt C: Hydr * D: Hydro E: Disul	bonds: alp bridges: be ogen bond ophobic inte lfide bonds:	pha-helix eta-pleated she s: covalent cre eractions: terti : quaternary s	eet oss-links ary structure tructure	,		most appropriat	ыу такспес				iows?							
54	0.90	98.32%	75.24%	0.23	0.34	D	4	3	0	*344	31	-	-	-	-	-	0	00:02
Question I	D / Rev: 37	7453 / 1		-	-	% Selected	1.05	0.79	0.00	90.05	8.12	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.17	-0.11	0.00	0.34	-0.28	-	-	-	-	-	-	-
A: Incre B: Incre C: Incre * D: Decre	eased trans eased trans eased trans eased trans	ucting an in vi port via GLUT port via GLUT port via GLUT port via SGLT sport via SGLT	Γ-4 Γ-5 Γ-7 Γ-1	on intestinal	glucose tran	sport added oul	oain,a sodiu	ım transport	t inhibitor. V	Vhich of the	following res	sults would t	e most exp	ected in this	s experiment	regarding g	llucose transport?	
55	0.98	100.00%	97.14%	0.03	0.15	В	1	*376	0	0	5	-	-	-	-	-	0	00:03
Question I	D / Rev: 37	7448 / 1		-	-	% Selected	0.26	98.43	0.00	0.00	1.31	-	-	-	-	-	0.00	-
-	-	-	-	-	Point l	Biserial (rpb)	-0.27	0.15	0.00	0.00	-0.04	-	-	-	-	-	-	-
7.30; PCO2 A: Resp * B: Eleva C: Norn D: Meta	2 is 19 mm piratory acid Ited anion g	of Hg, HCO3- dosis gap metabolic ap metabolic osis	is 9 mEq/L, Cl			ergency departn s 136 mEq/L. W							n. Urine is p	oositive for k	etones and s	serum glucc	ose is elevated. His	arterial pH is
56	0.67	84.87%	54.29%	0.31	0.21	С	9	38	*257	48	30	-	-	-	-	-	0	00:01
Question I	D / Rev: 37	7447 / 1		-	-	% Selected	2.36	9.95	67.28	12.57	7.85	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.04	-0.08	0.21	-0.13	-0.09	-	-	-	-	-	-	-
A: Sickl B: Resp * C: High a D: Expo	le cell trait biratory acid altitude bsure to hyp	J	en	about by allo	steric effecto	rs. One importa	nt allosteric	effector of	Hb is 2,3-B	PG (bisphos	sphoglycerat	e). Which of	the followin	g condition:	s would incre	ease the cor	ncentration of serum	2,3-BPG?

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	Correct Responses				01	Response Frequencies (*Indicates correct answer)  Avg												
Question #	Diff(p)	<del></del>	Lower	Disc.	Point Biserial	Correct Answer	A	В	С	D	E	- F	G	Н	1	J	Unanswered	Answer
	Dill(p)	Upper	Lower				A	В			-		G	"		J	Offatiswered	Time
57	0.87	95.80%	72.38%	0.23	0.30	В	6	*334	0	10	32	-	-	-	-	-	0	00:01
Question I	ID / Rev: 37	434 / 1		-	-	% Selected	1.57	87.43	0.00	2.62	8.38	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.21	0.30	0.00	-0.25	-0.12	-	-	-	-	-	-	-
	loreductase sferase rolase se		hich promotes	the phospho	orylation of ol	ther proteins/en	zymes. A k	kinase belong	gs to which	of the follow	ing classes	of enzymes'	?					
58	0.90	99.16%	71.43%	0.28	0.40	С	7	27	*343	4	1	-	-	-	-	-	0	00:44
Question I	D / Rev: 25	991 / 5		-	-	% Selected	1.83	7.07	89.79	1.05	0.26	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.11	-0.38	0.40	-0.02	-0.13	-	-	-	-	-	-	-
A: A ne B: A sh * C: A shit D: No c	egative Boh hift to the lef ft to the righ	effect t t	hibiting sympto	oms of meta	bolic ketoacio	dosis. The oxyg	en binding	curve of hen	noglobin for	tnis patient	is likely to e	xnibit which	of the follow	wing'?				
59	0.84	97.48%	64.76%	0.33	0.38	D	6	5	4	*321	46	-	-	-	-	-	0	00:36
≀uestion I	D / Rev: 26	283 / 10		-	-	% Selected	1.57	1.31	1.05	84.03	12.04	-	-	-	-	-	0.00	-
_	_	_	_	-	Point	Biserial (rpb)	-0.31	-0.23	-0.04	0.38	-0.21	_	_	_	_	_	-	_
DAG) and A: Prote B: Ader C: Prote * D: Prote		A (PKA) e 3 (PKB)	pha-adrenergion	c receptor ag	onist in cardi	ac myocytes to	activate th	e Gq signalir	ng pathway	*375	is, identify in	i ine attache	ea tigure the	noiecule m	arked by '?'	wnich can i	nteract with both dia	00:39
			93.24%									-	-	-	-	-	-	00.39
uestion i	ID / Rev: 26	U48 / 6		-	-	% Selected	0.79	0.26	0.00	98.17	0.79	-	-	-	-	-	0.00	-
- N Ciron o	-	-	- Durboro Doo	-		Biserial (rpb) endition, why wo		-0.11	0.00	0.21	-0.15	- aiaa far traai	- tmant2	-	-	-	-	-
A: Com B: Com C: Affin * D: Accur	npetitive inh npetitive inh nity of the en mulated sul	bitors cannot bition is rare zyme for the ostrate would	affect the sub in drug treatmon substrate is all overcome the quires new enz	strate bindin ent ready greate inhibition	g site	, ,	ulu a com	pennve minibi	tor or the en	nzyme not b	e a good cir	oice for trea	unent:					
61	0.81	96.64%	63.81%	0.33	0.39	Α	*311	23	20	18	9	-	-	-	-	-	1	00:15
Question I	D / Rev: 26	047 / 5		-	-	% Selected	81.41	6.02	5.24	4.71	2.36	-	-	-	-	-	0.26	-
-	-	-	-	-	Point	Biserial (rpb)	0.39	-0.21	-0.11	-0.15	-0.30	-	-	-	-	-	-	-
Q: See the * A: 1.5 B: 2.0 C: 2.5 D: 3.0 E: 5.0	attached T	able. Given th	ne following da	ata of initial v	elocity versus	s substrate cond	centration f	or an enzym	e reaction,	estimate the	Km value o	of this enzym	ie for the su	ıbstrate:				

Question	Question Correct Respon		oonses	Disc.	Point	Correct				Res	sponse Fred	quencies (*I	ndicates c	orrect ansv	ver)			Avg
#	Diff(p)	Upper	Lower	Index	Biserial	Answer	A	В	С	D	Е	F	G	Н	1	J	Unanswered	Answer Time
62	0.82	94.12%	60.00%	0.34	0.40	D	32	2	1	*313	34	-	-	-	-	-	0	00:03
Question II	D / Rev: 26	043 / 6		-	-	% Selected	8.38	0.52	0.26	81.94	8.90	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.24	-0.12	-0.10	0.40	-0.26	-	-	-	-	-	-	-
A: Mitod B: Cytol C: Endo * D: Mitoch	chondrial m plasm pplasmic re hondrial int chondrial in	atrix ticulum ermembrane ner membrar	space ne	mpartments		ore acidic during	·			ectron transp								
63	0.85	97.48%	66.67%	0.31	0.35	Α	*324	9	14	1	34	-	-	-	-	-	0	00:53
Question II	D / Rev: 26	024 / 6		-	-	% Selected	84.82	2.36	3.66	0.26	8.90	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	0.35	-0.12	-0.09	-0.01	-0.32	-	-	-	-	-	-	-
C: Hb B D: Oste	e cell disea art disease ogenesis ir alassemia	isé e																
64	0.96	100.00%	86.67%	0.13	0.41	С	2	2	*365	10	3	-	-	-	-	-	0	01:30
Question II	D / Rev: 26	017 / 4		-	-	% Selected	0.52	0.52	95.55	2.62	0.79	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.23	0.02	0.41	-0.25	-0.33	_	_	-	_	_	-	-
diffusion of A: Alpha B: Beta * C: Gamn D: Epsil E: Alpha	oxygen. Pr a chains chains na chains on chains a and beta	esence of wh	ich of the follov	wing polypep	otide chains ir	n HbF accounts	for this find	ing?			· ·	A), Fetal ne	moglobin (i	ndr) nas nig	ner oxygen i	annity, whic	h facilitates transpla	
65	0.93	99.16%	80.95%	0.18	0.27	Α	*356	2	12	4	7	-	-	-	-	-	1	03:04
Question II	D / Rev: 65	3 / 6		-	-	% Selected	93.19	0.52	3.14	1.05	1.83	-	-	-	-	-	0.26	-
-	-	-	-	-		Biserial (rpb)	0.27	-0.10	-0.15	-0.24	-0.09	-	-	-	-	-	-	-
* A: A 10-f B: A 10- C: An in D: A dec	fold increas -fold increa icrease in h crease in h	se in hydroge se in hydroxy nydrogen ion ydrogen ion o	n ion concentra /I ion concentra concentration b concentration b	ation ation by a factor of y a factor of	7.5/6.5 6.5/7.5	of the following	J	ion concen	tration?									
66	0.78	93.28%	60.00%	0.33	0.40	С	46	18	*298	13	7	-	-	-	-	-	0	00:24
Question II	D / Rev: 11	1 / 15		-	-	% Selected	12.04	4.71	78.01	3.40	1.83	-	-	-	-	-	0.00	-
-	-	-	-	-	Point	Biserial (rpb)	-0.18	-0.33	0.40	-0.17	-0.03	-	-	-	-	-	-	-
A: It is r B: It is t * C: It doe: D: It is i	not located he the only s not pump nhibited by	in the inner no Complex that protons out antimycin A	the other three nitochondrial mat donates elect	embrane trons to Coe	nzyme Q	on transport cha	in?											

Question		Correct Resp	oonses	Disc	Deint	0	Response Frequencies (*Indicates correct answer)											
#	Diff(p)	Upper	Lower	Disc. Index	Point Biserial	Correct Answer	A	В	С	D	E	F	G	н	ı	J	Unanswered	Answer Time
67	0.86	96.64%	72.38%	0.24	0.37	С	12	27	*330	13	0	-	-	-	-	-	0	01:19
Question I	D / Rev: 2	9764 / 2		-	-	% Selected	3.14	7.07	86.39	3.40	0.00	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.25	-0.24	0.37	-0.12	0.00	-	-	-	-	-	-	-
			a series of drug ints the data in														eaction in the absen	ce of any
68	0.79	94.96%	57.14%	0.38	0.42	D	3	64	12	*303	0	-	-	-	-	-	0	01:07
Question I	D / Rev: 20	6025 / 5		-	-	% Selected	0.79	16.75	3.14	79.32	0.00	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.07	-0.32	-0.26	0.42	0.00	-	-	-	-	-	-	-
A: Proly B: Lysy C: Proc * D: Lysyl E: Gluce	rl hydroxyla I hydroxyla ollagen pe oxidase osyltransfe	ase ase ptidase erase	cross-linking is	·														
69	0.92	98.32%	76.19%	0.22	0.39	E	14	14	3	0	*351	-	-	-	-	-	0	01:02
Question I	D / Rev: 3	4327 / 2		-	-	% Selected	3.66	3.66	0.79	0.00	91.88	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.24	-0.29	-0.07	0.00	0.39	-	-	-	-	-	-	-
A: Pand B: Mout C: Duod D: Colo * E: Stoma	creas th denum n ach	,	ves many differ	Ü		0 0	·			•								
70	0.93	100.00%	79.05%	0.21	0.47	D	13	3	6	*354	5	-	-	-	-	-	1	01:05
Question II	D / Rev: 3	4326 / 2		-	-	% Selected	3.40	0.79	1.57	92.67	1.31	-	-	-	-	-	0.26	-
-	-	-	-	-		Biserial (rpb)	-0.32	-0.13	-0.21	0.47	-0.23	-	-	-	-	-	-	-
A: They B: They C: They * D: They	block the inhibit the increase decrease i	Na+/K+ ATPa disaccharidathe the GLUT-4 transferred transferred	re SGLT-2 inhil use which preve ses on the intes ansporters by s eabsorption of o via hepatic gluo	ents sugar at stinal apical s stimulating in glucose	osorption in liv surface sulin secretio	er .	,,	liabetics. W	hat is the ra	tionale for u	using this typ	oe of medica	tion?					
71	0.77	91.60%	56.19%	0.35	0.38	D	23	16	20	*293	30	-	-	=	-	-	0	01:16
Question II	D / Rev: 3	4403 / 2		-	-	% Selected	6.02	4.19	5.24	76.70	7.85	-	-	-	-	-	0.00	-
-	-	-	-	-	Point I	Biserial (rpb)	-0.11	-0.04	-0.24	0.38	-0.27	-	-	-	-	-	-	-
A: Hydr B: lonic C: Hydr	ogen bond bonds ophobic in ide bonds	ls	n multiple subu	inits. Which o	of the followin	g interactions v	vould not be	e involved ir	n holding the	e subunits t	ogether?							

None.  It is fair exam. I do not have any comments for now.  For the question about Tisha's acid-base disorder. We agreed in class that her elevated anion gap indicated metabolic acidosis which was most likely due to her ingesting aspirin. But aspirin would not classify as a poison in my opinion. So then N/A  Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  N/A  Exam was fair  N/A  N/A
t is fair exam. I do not have any comments for now. For the question about Tisha's acid-base disorder. We agreed in class that her elevated anion gap indicated metabolic acidosis which was most likely due to her ingesting aspirin. But aspirin would not classify as a poison in my opinion. So then N/A  Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  N/A  N/A  N/A
for the question about Tisha's acid-base disorder. We agreed in class that her elevated anion gap indicated metabolic acidosis which was most likely due to her ingesting aspirin. But aspirin would not classify as a poison in my opinion. So then N/A  Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  N/A  N/A  N/A
icidosis which was most likely due to her ingesting aspirin. But aspirin would not classify as a poison in my opinion. So then N/A Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  in/a  ixam was fair  N/A  N/A
Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  (ixam was fair  (ixam was fair)  (ixam was fair)
Question 7:Complex II is anchored in the innermembrane (it does not passes completely through the membrane)  i/a  ixam was fair  I/A
n/a Exam was fair N/A N/A
ixam was fair N/A N/A
N/A N/A
I/A
1/4
I/A
N/A
air Exam.
nothing
no comment
t was a fair exam, thank you
N/A
N/A
Which of the following intestinal epithelial cells allow glucose efflux down its concentration gradient? The question seems a
ittle misleading because it can be either GLUT2 or SGLT-1, which ultimately allow glucose into the blood. SGLT-1 is found
love Biochemistry.
air Exam.
N/A
N/A
At this time I dont have any questions about the exam.
hank you
No Questions
nope
As for the amino acid questions we were told not to know much on them just the structures and there were many
uestions asking for specific qualities of one amino acids.
10
N/A
N/A
N/A
N/A
thought this was a fair exam. Thank you.
N/A
N/A
nn e e e e e e e e e e e e e e e e e e
No comments or concerns.
None

N/A
For the Question "The brain is very dependent on glucose" SGLT-1 and 2 are the closest choices, but wouldnt a more
appropriate answer be SGLT-3 which allows glucose uptake into neurons?
N/A
no questions at this time.
"We are the music makers, we are the dreamers of dreams."
NICE EXAM
N/A
Hi
fair exam.
N/A
N/A
not yet
No comment
For the question regarding the 3rd amino acid residue in the formation of collagen (triple helix), I put glycine as the best
answer. The collagen is strucutred as Glycine, X, Y with X typically being Proline and Y typically being hydroxyproline or
No.
None.
N/A
I have nothing to say yet
More review on specific diseases
No questions
N/A
- Regarding the question on inhibition by PRPP amidotransferase by IMP, AMP and GMP there are 2 possible answers. It
is an example feedback inhibition by the process of competitive inhibition. Competitive inhibition is the more specific
N/A
No answer.
N/A
N/A
N/A
N/A
Was a tough test, but I believe it was fair
FAIR EXAM
N/A
N/A
N/A
For the question relating to Richard clinical vignette 3, doesn't CO have a higher affinity than O2 does which would lead to
a left shift, as opposed to CO having a lower affinity than O2. CO has nearly 10x the affinity that O2 does.Every third
NO
no
No, thank you.
Fair
N/A
nothing yet

For question #15 since patient had HbA2 and HbF should answer be B-thalasemia minor not major? The other answer
choices were not showing a Beta disorder.
This seems a bit more in-depth and challenging than the review materials and study time available allowed preparation for.
Very good.
No comments
N/A
No comment.
N/A
N/A
Questions with answers A-B B-E should be simplified to A-A B-B etc
No
No comment.
N/A
The theophylline question seems to imply that the increase in cAMP leads to increased activation of Gs. However, the
converse is true, since activation of Gs then leads to increased cAMP, which relieves symtoms of obstructive lung diseases.
In general> make a distinction between ionic bonds and ionic interactions Please explain how the concentration of
substrate = Km and what vmax is.
NA
N/A
none
no comments at this time
Not as of now, thank you!
N/A
N/A
ok
None
None
no complaints
N/A
Well written exam, though it may have been nice to have included questions comparable to the difficult questions on this
exam in the weekyl practice questions or the clickers.
The exam was pretty straight forward. I felt that some were not fully discussed in class and still were tested.
N/A
N/A
Idk why this here lol jk
The q about HbF and what kind of chains are in it - it would have been better if instead of writing out the greek letters (i.e.
epsilon, gamma), that you put in the actual symbols instead because knowledge of greek letters should not be required.A
N/A
N/A
None at the moment.
no
N/A
N/A
disulfide bond are found in Quanterity structures google said that last night, but slides say that quanterity lacks disulfide
bondsCO doesnt result in right shift, or taut formation there is no right answer choice for cvED is due to mess up of Elas
N/A

The question about the suicide inhibition had ooptions both about having the same value on the Y axis and having the
same apparent Km. seems redundant
exam
N/A
N/A
N/A
fair exam thank you
n/a
N/A
I am not sure if we went over hepatitis and what is the cause and effect of it, so I feel that question is more difficult than
the others for us to answer.
The questions were fair. Some questions might needed to be worded a little more, but other than that, I think this exam
was fair. For example, the increasing BPG question should have a little bit more infor in my opinion.
h
pulmanory embolismwe went over it but I feel like it wasn't emphasized as much in the course (discuss mechanism)
N/A
No comments. Have a nice day!
N/A
no
No.
no
No problems
N/A
N/A
X
n/a
N/A
Nothing.
35. I was confused to where is complex 2 located?38. I was confused in one was under micheal mentens kinetics doesn't it
mean that independednt? 49. what do you mean by divergent in relationship to catabolic metabolism?2. what do you
No concerns noted thus far; will update if circumstances change.
No.
just started
n/a
na
none
n/a
NO
None
N/A
no comments
n/a
Question about the skin fibroblasts and every 3rd amino acid in triple helix can be read two ways- either the amino acid
appearing 33% of the time or 3rd position amino acid, which would be Y from (Gly-X-Y).

N/A
No comments
nothing at the moment.
No complaints!
N/A
Not so bad:)
no
The test was fair and well designed
no
N/A
n/a
N/A
fair exam
N/A
It was fair
N/A
Fair exam.
N/A
no comments
N/A
N/A
I do not have any questions
fair, but the drug company - analog question I was unsure of how to answer.
Nothing.
Good exam. No complaints.
N/A
For the question utilizing Oubain to inhbit Na transport. It was never specified whether the drug only localizes to the Small
intestine (though I assumed it did and chose SGLT-1). As such both SGLT-1 and 2 utilize this Na transport and could be One question stated that Crohn's is the inflammation of the small intestine but I thought that it was the inflammation of
the colon. I answered based on the small intestine because I assumed that was the key part of the question.
N/A
N/A
N/A
No comments
N/A
Long exam
For the question about sodium nitrite, I think it would be clearer if you replaced the word sequester with compete. I almost
picked the other answer because of the word "compete" in the answer choice "nitrites compete with "
No
N/A

No comments.
N/A
None.
N/A
For question that Asks for the inactivation of salivary amalyse, it is both the pancreas and duodenum because pancreatic
amalyse is produced by the Pancreas but hits the chyme in the duodenum. For the question of which metabolic regulators
Some of the phrasing of questions were very misleading.
In the question about TishaI understand that she has a mixed acid/base disorder as seen in her "perfect" pH, PCO2, and
Hco3-, however, I also see that she has metabolic acidosis due to elevated anion gap wich would be from the increase in
N/A
This was a fair exam.
N/A
N/A
none
N/A
There's a question that asks, "which of the following trasnporters in the intestinal epithelial cells ensures glucose efflux in
the blood down its concentration gradient?" the glucose transport in the epithelial cells are SGLT-1 but they do not ensure
no
none
n/a
For the question regarding allosteric effectors and 2,3-BPG, one of the answer choices mentions hyperbaric oxygen. Is
hyperbaric oxygen the same thing as 100% O2? I wasn't familiar with the term from class.
None
no
N/A
N/A
Thank you.
blue eyes and poor posture is due to OI. Can you tell a difference between heriditary and tarda with the answer choices?
Type one or type two.
N/A.
The question about the guy who went into cardiac arrest following CN poisoning, the answers are confusing. I was under the impression that CN affected the Fe3+ in complex IV not the cytocrome C oxidase.
N/A
exam well written
For question 71, all amino acids listed are hydrophobic, therefore all can be seen within the membrane.
NO
None at this time. Thank you.
N/A
comments
No feedback
NO COMMENTS
I like the exam. Hope I do well!
NO QUESTION
***

The question regarding the negative regulation of PRPP was confusing as I thought allosteric regulation would have been
the most appropriate answer. The 18 year old with gasteroenteritis was a tricky question as well.
No issues.
None
n/a
N/A
Straight forward questions, no complaints.
N/A
^ ^ _
N/A
N/A
none
thanks
Qs 47 - diagram and wording of qs slightly unclear
No, thank you
N/A
N/A
N/A
Fair exam, well written.
N/A
No
N/A
N/A
N/A
PHONE RINGING OF THE PROCTER WAS DISTRACTING.
N/A
I do believe that there is a typo in questions 29 where AKB was written as "PKt"
None
Questions are fair.
no comments
No
Question 5 Regarding Glucose Transport into the brain - I thought GLUT3 transporters were responsible for neurons getting
glocuose yet that is not an answer choice Question 67 regarding Clinical Vignette 1 - Tisha has metabollic acidosis from the
the question about which of the following take the longest in regards to metabolic regulation, I chose the answer saying
the modulation of gene expression since this is one of the ways to control enzyme/substrate concentration and that is the
N/A 
no
I go all around the world and yet I stay in one place. What am I ? A stamp.
N/A The question about what lead to Jasmines sick cell crisis is a bit confusing. I thought sickle cell disease was a genetic
condiiton and the mutation is what leads to sickling, not any extraneous factors. The sickling of the cells is due to the
none-
No.

Overall I thought the test felt very fairly representative and well-written. Theophylline question was the only one I thought
could be rewritten to be a little more clear. Thanks.
For question 33, none of the answers are correct. It is a misleading question. A) Complex III receives electrons from
Complex IB) Although it is part of the TCA cycle, which is located in the matrix, it is still located in the IMM along with the
none
N/A
So far so good
N/A
no comments
N/A
Fair exam.
Question with line-burke plot asking about competitive inhibition, the letters did not correspond to lines making choosing
the right letter tough. Question asking about increasing [BPG], I dont remember learning about what affects levels of [BPG],
Fair Exam, some terms need to be anotated for better understanding ex: Hydrops Fetalis
no
N/A
No questios or comments. The exam was fair
N/A
N/A
n/a
No, Thanks for everything
no
#3: The graph was difficult to read. Perhaps use different patterns for each line so you can follow the lines easier. #7: There
was a lot of confusion on what is best to measure when a patient has a myocardial infarction. Using a term/phrase in
No.
thank you
Challening!
Everything is fine.
no
no
N/A
N/A
None
None so far. Thanks
N/A
no response
N/A
N/A
In regards to the concentration of 2,3 BPG and what would affect it high altitude means less O2 available for ETC and
eventually back up of glycolysis?
N/A
ON question 69- the options are Troponin C & Troponin T The correct answer is Troponin I- and that is what we discussed
in class and in the lectures as being the gold standard for what should be used immediately after an MI. I would like to

For question 21. The enzyme works to increase the temperature of the reaction which in turn allows for decrease in the

Activation energy of the reaction. Are both of these answers correct?

IN/A
N/A
No comments.
No questions so far.
N/A
theres an issue with the ans choices regarding CN and nitriles - nitriles oxidize HbA to methHGB> which then competes
with CN for the binding site to complex 4. It doesnt sequester it. that wording throws ppl off and the other ans choice
N/A
exam
I do not have any questions or comments about the exam.
Great exam!
N/A
THANKS
The questions seemed fair for the most part. The question regarding intestinal glucose transport along its gradient was
misleading. The wording was misleading. The question that asked about serum 2,3-BPG levels was confusing. I was unsure
For question 44, one of the answers says "absorption of disaccharides in the duodenum." Disacharrides are broken down
into monsachharides and then absorbed. However, they are not absorbed in their disaccharide form. I'm not sure if this
n/a
The question regarding the phosphodiesterase inhibitor, the answer choices seems like the Direction of the arrows should
be reveresed, leading to some confusion.
N/A
The question that asked how is complex II different from the other three complexes- the only answer that could fit for this
reposne would be that complex II does not pump prontons out, however the reaction of FAD becoming FADH creates 6 Pretty fair exam if we are being honest. Great mix of easy questions and questions that require you to think several orders
The only question that was kind of weird was the one regarding G12V found in 90% of pancreatic cancers and the effect it
N/A
N/A
The questions were fair.
The Glut 3 transporter is the transporter to the brain not glut -2,  N/A
N/A
No, comments yet. Thank you!
N/A
All good.
N/A
none
N/A
N/A
none
No comment. Thanks.
N/A
The rxn coordinate question regarding the transition energy of the enzyme-catalyzed REVERSE reaction was confusing. I
believe you mean the dotted line (enzyme-cat.) going from products to reactants. I think it is unnecessarily confusing. I was
The test was fair, though I am still confused regarding Tisha. Based on the clinical vignette discussion, we know that she has always a mixed asid base disorder. Just looking purely at hor clinical lab reports, however, we calculate that she has always disorder.
a mixed acid-base disorder. Just looking purely at her clinical lab reports, however, we calculate that she has elevated

that it was okay.
N/A
Biochem
All is well so far.
no
No comment.
not at this time
N/A
no
N/A
None
N/A
The exam was fair.
None
n/a
hjhjk
all in all questions were fair, some were very detailed. i have concerns with inadequate data for two questions 1. old couple
with SOB and lethargy came to ER 2x given 100% O2 and fine: it was hard to differentiate between HbS and CO-Hb because
N/A
NONE
N/A