	400	工 主 70 网,	, ,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			州入	. (	, pr( )	
系 級	#1	<b>a</b>	授課教師	考	<b>找</b> :	Ħ	期	學		號	姓
醫四	ł	<b>L</b> 瘤生物學	邱仲峰	914	月	9 8%	節				
	注意本	砂磨土 777 子	。如發現頁數					↓ 求補齊・2	則缺少部	份概」	<b>以零</b> 分計。
<b>※</b> ①新 ② <b>共</b>	張試題	卷務必填寫(學發	<b>党)、(姓名)。</b>								
		選擇題:									
		Which statement i	s wrong:								
	••	[a]. Majority of ca		type							
		[b]. Majority of ca	-		lue to son	natic cell	s				
		[c]. A large percer									
		[d]. Rare cancer									
•	2.	Which statement									
		[a]. The inherited									
		[b]. The germline					· ·				
		[c]. APC gene wa			<del>.</del> .						
		[d]. Rb gene muta			cers spor	adically.					
		[e]. BRCA1 gene									
	3.	The location of R									
		[a]. 13q14	[b]. 14p1		[0	]. 18q14	,	[d] 1	lp13		
	4.	The methods of re	pressor inactiva	tion is no	t related 1	to					
		[a]. Protein bindir			[b	]. Depho					
		[c]. Mutation		•	[d	l] active	growth p	romoter bir	nd to repres	ssor ge	ne.
	5.	Which statement	about retinoblast	oma is w	rong?						
		[a]. strong familia	ıl link.	1	_	_		is sporadio			r age
1		[c]. Bilateral type	get 1st hit in ger	mline	[c	l]. Bilate	ral type l	have familia	al connecti	on.	
	6.	Which statement	about weaker fai	nilial link	cancer i	s wrong	?				
		[a]. Most cancers	is in this categor	у							
		[b]. Mostly, the g	enes that are ind	rectly im	plicated i	n carcino	ogenesis,	,			
		[c]. They may ind	lirectly affect the	function	related to	o DNA re	epair, im	mune respo	nse or met	abolic	defects.
		[d]. The Rb gene	is direct involve	d in carci	nogenesi	s.					
	7.	Which statement	about the carcine	ogenesis (	of colon o	cancer is	wrong?			•	
		[a]. APC gene car	n induce normal	epitheliu	m change	to hype	rplasia		_		
		[b]. The process of					as, N-CA	AM, and p5	3 genes.		
		[c]. There are ma									
		[d]. The function				this gene	e is lost i	n colon can	cer.		
	8.	Which statement	about breast can	cer is wro	ong?					••••	•
		[a]. Familial brea	st cancer is char	acteristic	by early	age of on	iset and i	more than 8	0% probab	oility of	
		developing breas									
		[b]. BRC A1 gen									
		[c]. More than 10				ed					
		[d] BRC A1 gene									
	9.										
		[a] BRCA1 gene			ased risk	of ovari	an cance	r.			
		[b].BRCA1 gene									
		[c].BRCA2 gene			ast cancer	r					
		[d]. BRCA2 gene			, .		·	د ماسا	?		
	10.	Which condition		rect invol					5I (		
		[a]. Xerderma pi	gmentosum		Ĺ	b]. Li-Fra	aumeni s	synarom			

第(7之1)頁

	•			- · ·				州 不			
系级	科	E	授课教师	考	状	E	期	學	统		Z
醫四	甩	<b>重瘤生物學</b>	邱仲峰								
※①請	注意本	試題共張 卷務必填寫(學號	。如發現更數7 )、(姓名)。	足及空	白頁或	缺印・應	當場請求	求補齊・	5則缺少部份概	以零分計。	
W##	<b>分於 部入 底蓋</b>	(在初少填稿) 字》	) \ \ <b>X</b> =12 / `								
		[c]. Neurofibromate			•	d]. Familia	al brest c	ancer			
	11.	The carcinogenesis		thways i						mthasis	
		[a]. Protein phosph				ncogenes		[c]. I	De novo protein sy	ninesis	
		[d]. Different canc	er type use diffe	rent way	s to beco	ome auton	omous.		!- O		
	12.	Which type of hun	noral signals is r	ot impo				ı in carcine	ogensis?		
		[a].endocrine			_	b]. Exocri			•		
		[c]. Paracrine			-	d]. Autocr			1 41	'n	
	13.	Which kind molec		transmo			to induc	e signal tra	insduction in cells	S. f	
		[a]. Growth factors	s		-	b]. TNFs					
		[c]. Interleukines			[	d]. Thyroi	d hormo	ne.			
	14.	Which is not a trai	nsmembrane rec	eptor?							
		[a]. Integrins			_	b]. GTP-b		rotein			
		[c].G-protein rece			_	d]. EGFR					
	15.	Whose receptor is	not related to ty	rosin kii							
		[a]. TGF-□			•	b]. Interle					
		[c]. Insulin			. [	d]. TNFs.					
	16.	Whose receptor is	related to recru	it tyrosin	kinease	?					
		[a]. PDGF	*		-[	[b].GSF					
		[c].TGF-□		•		[d]. GnRH					
	17.	The signal transdu	ction cascade o	f serine/t	hreonine	e kinase re	ceptor is	not relate	d to		
		[a]. PKC activation				[b]. Cell c					
		[c]. JAKs			[	[d]. Docki	ng mech	anism.			
	18.	The signal transdu	iction cascade o	f tyrosin	e kinase	receptor i	s not rela	ated to			
		[a]. PKC activation			1	[b]. Ras-G	DP form	ation			
		[c]. PI3K				[d]. PLC-	<b>-</b>				
	19.	Which kind of cel	l adhesion mole	cules is	related to	o cell-mat	rix intera	ction?			
		[a]. Integrins				[b]. Cadhe					
		[c]. CD44				[d]. Select	ins				
	20.	Which statement	is wrong?								
		[a]. breast cancer		DGF-R							
		[b]. most growth			ors type i	initially,					
		[c].SCLC can pro					ogenic a	nd autocri	ne effects.		
		[d]. Low concentr	ration of growth	factor [	10-10M	can induc	e dissoci	iation of g	owth factor		
	عاد	receptorscancer n									
	φ.ι.	a. The spread of to	umors cells fron	a prima	ary neop	lasm to co	ntiguous	sites			
		b. also seen in end			,						
		c. Final stage of tu		n							
		d. all of above	b9. 40310								
	22	objective of meta	stasis study :								
	22.	a. Predict aggres		ent's tum	or						
		b. Identify clinica	_								
		c. Eradicate meta		*********							
		d. all of above	outoto								
		a. an or above									

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					,		ya T	271 71	號	姓	
系 級	科	<b>E</b>	投课教师	*	<b>找</b>	Ħ	期	- 学	<b>7</b> 7.	Xt.	tı
醫四		瘤生物學	邱仲峰	914	,	日第	新		1 b b 1 b b 1 / 1 40 f 1	\( ##A / \ #J	
※①請 ②毎	注意本 張試題	試題共張。 卷務必填寫(學號	· 如發現頁數7 )、(姓名)。	「足及空	白頁或缺戶	り・應當	場謂习	文補齊、 召貝	缺少部份概]	<b>人客分</b> 司	0
								:			
	23.	Angiogenic switch	• •		•				•		
			ll at tumor cente						v vessels growt		
			ngiogenic factor				d.	intraepithelia	l vascularizatio	n	
			asive potential	of tumor	•						
	24.	Clonal dominance					1. (1	1 1 4	<del> </del>		
		a. Continued genet						onal selection one of above	n of tumor cells		
		c. Acquisition of in	nvasive pnenoty	pe			a. no	one of above			
	25	e. all of above		and have							
	23.	Survival in the circ a. formation of tun		-			h all	l of above			
		c. tumor cells inter			•			one of above			
	26	Tumor cell arrest of	_	cytos			w. 110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	20.	a. after survival									
			ence to basemen	nt memb	rane						
			rapping on inflo								
		d. all of above									
	27.	patient's chance of	metastasis whe	n first di	iagnosed wi	th cancer	:				
		a. 30% - clinically									
		b. 30% - clinically	free of metasta	sis ,howe	ever, with o	ccult met	astasis				
		c. 30% - no occult	metastasis, cure	ed by loc	al therapy						
		d. all of above is to	rue								
	28.	metastatic potentia	al of a tumor is i	nfluence	ed by:						
		a. Tumor size					b. Ti	ımor calcium	level		
		c. Molecular pheno	otype of patient				d. A	+C			
		e. all of above									
	29.	Multistep theory o	<del>-</del>								
		a. Activation of on	-								
		b. Inactivation of t		_							
		c. Expression of T	umor –associate	ed molec	ules (tumor	markers	)				
* * *	20	d. all of above	11	. 4	h						
	30.	primary tumor usu a. liver	ally metastasize	to whic	n organs?		b. lu	nas			
		c. bone			,			l of above			
	21	Genotoxic agent	会的下加点插细	Haidh DNI.	A 杏生 ++ /團/	20分割 ク	u. ai	I OI above			
	31.	a. Non-proliferating			1 注土六闽	医水口:	h Pr	oliferating cell	1		
		c. (A) (B)皆是	Cen					omerating con .) (B)皆非	L		
	32.	下列何種是 Non-ge	enotoxic carcinos	ren ?				, (=) El 91			
	J-2.	a. Aromatic amine		,			b. Ho	ormonal steroic	ds		
		c. Alkylating agent					d. 以	<b>人上皆非</b>			
	33.	下列何者爲 particle	es ionizing radiat	ion?							
		a. Isotope	-				b. UI	traviolet light			
		c. Atomic particles						· 人上皆非			
	34.	下列何者非 Ionizin	g radiation 對 ch	romosom	e 所產生的	主要破壞	方式?				
		a. Deletion					b. Po	int mutation			•
			第	(	7之	7	)	 頁			***************************************

#### 私立臺北醫學院\_九十學年度第一學期期末考試命題紙

級	科	<u> </u>	授课教师	考		<b>B</b>	期	- 华	號	# <u>#</u>	4
9	膧	瘤生物學	邱仲峰	91 =	<u> 1</u> A <u>4</u>	日第_			•		
詩法	主意本	試題共張	。如發現頁數不	足及空	白頁或缺	印・應る	當場請	<b>犬補齊・否則</b>	缺少部份概.	以零分計。	,
每引	長試題	卷務必填寫(學號	!)、(姓名)。	· · · · · · · · · · · · · · · · · · ·	<del></del>					<del></del>	
		c. Rearrangement	and the second s				d. 1	人上皆非			
	35.	下列何者是 ROS i	過程的產物?								
		a. Super oxide			ı		b. H	ydroxyl radical			
		c. Hydrogen pero	xide					人上皆 <del>是</del>			
	36.	下列何種 chemical	carcinogene 有	"bifunctio	n"的作用 '	?		, _			
		a. Polycylic aromat					b. A	romatic Amines			
		c. Nitrosamines	•					lkylating agent			
	37.	在 DNA mutation 的	的過程中,若使	G→A 稱	爲?						
		a. Transation					h tra	ansversion			
		c. transfusion						人上皆非			
	38.	P53 mutation is ass	ociated with cane	rs of ?				~			
		a. Colon	· · · · · · · · · · · · · · · · · · ·	·			b. lu	nσ			
		c. Breast						ll of above			
	39	Which kind of UV	light is the most r	owerful c	arcinogen (	for skin c					
	٥,,	a. UVA	ingine is the most p		JVB	ioi skiii o	uncor;	c. UVC			
	40	which kind of huma	in cell is most use			istion ev	nosure d				
	10.	a. muscle cell	ar con 13 most use	iui to pret	iot tile rau	idition ex		ver cell			
		c. lymphocytes						d cell			
	41			.:	L &				_!1 !		
	41.	Macroarrays conta		sizes of a	bout	microns	or large	er and can be ea	sily imaged (	ру	
		existing gel and bl					200		1 400		
	40	a. 100	b. 2				300		d. 400		
	42.	Microarray are typ		<i>n</i>	nicrons in	diametei	r and th	ese arrays usua	ily contains		
		thousands of spots					•••				
	40	a. 100	b. 2				300		d. 400		
	43.	A microarray cons				_		<del></del>			
		a. DNA				<i>c</i> .	mRNA		d. cDN	A	
	44.	The Southern Blot			of						
		a. DNA	b. R			<i>c</i> .	mRNA		d. cDN	A	
	45.	The Western Blotts			of .						
		a. Oligonucleotide		DNA			RNA		d. Prote		
	46.	Cyclin A is a regul			ates with c		_	phase of the	<del>-</del>		
		a. M	<i>b</i> . <i>G</i>				S		d. G2		
	47.	p53, the guardian		nediates	cellular re	sponses	to DNA	damaging agen	its (eg. Ionizi	ng	
		radiation) at the									
		a. M	b. G				S		d. G2		
	48.	The term "apoptos			cell death	with cha	racteris	tic morphology	since the yea	r of	
		a. 1885	b. 19				1972		d. 1988		
	49.	The Physiologic re	oles of apoptosis	includes	the follow	ving					
	٠	a. Homeostasis									
		b. Protection of or	ganism from thr	eats crea	ted by thei	ir own de	eleteriou	ıs cell			
		c. Sculpting the bo	dy								
		d. All of the above									
	_	stion 50 55 , an			/B\C \1						

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4	44	科	<u> </u>	授課教師	考	<b></b>	EI.	期	學	號	±t.	Z,
<u>赤</u>	級		· · · · · · · · · · · · · · · · · · ·	邱仲峰	914	/ H		第節		and the femore address, a configuration and the second section ( ) and		
			<b>全宿生物學</b>	。如發現頁數不			<del> </del>		お捕磨・否	則缺少部份概	 以零分計。	
<b>**</b>	2番	注惠本 張試題	試題共張 [卷務必填寫(學號	。如發現貝數1 !)、(姓名)。	`	口貝以政		//李 田 /勿 四,	7 IN 7 11	X14X > 14 13 144		
		51	Its biological event	e include impais	mont or	essation i	of ion	homeostas	is			
			The process includ	·-			c,		,			
			The process includ		-							
			Usually inflammati		-	ess						
			The dead cell in the		_		elll ne	arby.		•		
			stion 56 60 ,					,				
		_	ver (A) for Disease	associated with	inhibition	of apopt	osis			r		
		ansv	ver (B) for Disease	associated with	increasea	! apopto	sis					
		56.	Ischemic injuries (	eg. Myocardial i	nfraction	)				•		
		57.	Sunburn									
		58.	Viral infection									
		59.	Cancer									
		60.	Autoimmune disea	se								
		61.	Overall survival 是	指那一段時間								
			a. Diagnosis 到 Re	lapse					elapse 到 De			
			c. Diagnosis 到 De	eath				d. 與	Relapse-fre	ee survival		
		62.	癌症的發生通常多	頂時多久?								
			a. 數週					b. 婁				
			c. 數年		1			d. L	<b>人上皆可能</b>			
		63.	Tumor staging 的纬	刊定中最主要依	據的是自	?						
			a. Tumor size					_	mph nodes			
			c. Metastasis				ams det.		<b>上皆是</b>		11 銀ん工。山	
		64.	若有一動物腫瘤類		療後殺死	99.999%	(5)时	tumor cell	後,具所传	F P By tumor ce	11 数仪此	
			動物仍有腫瘤的	北例各爲多少?				1 10	500/		•	
			a. 0 · 0%		*				50%			
			c. 10 <sup>2</sup> , 70%					d. It	) <sup>4</sup> · 100%			
		65.	目前鼻咽癌的治療	<b>寮方式爲何?</b>				1. ==	C ACLTIVA			
			a. 放射治療						F術切除			
			c. 化學治療					را. D	以上皆是			
		66.	下列何者非直接他					1. 3.				
			a. Cyclophosphaci	inde					lethotrexate			
			c. Doxorubicin	M-12 72				d. 5-	ru			
		67.	下列何種機制可	-	ance			1. A	ltanad tanaati			
			a. Drug metabolis	m ·					ltered targets 以上皆是	•		
			c. DNA repair	=1 1114A /=12 <del>6</del> 11134	<b>.</b> 0			u. ,	<b>火工.百疋</b>			
		68.	tumor marker	可用於何種用透	3 ?	1		h ≣	平估治療效果	Ħ		
			a. 診断	¥					大旧伯康双之 以上皆是			
		<b>60</b>	c. 追蹤檢查	AA3公司484417司=	女長士の			u. y	<b>从上日</b> 化			
		09.	Hormone therapy		自局升(			h D	iemintion at	steroid synthesi	s	
			a. DNA destruction						以上皆是	oreion glimon	<del>-</del>	
		70	c. Steroid Receptor Photo dynamic the		制士運賃	::		<u>, u.</u> j	л <u>т</u>			
		70.	a. damage cell me		147.1.女爪	, .		b. de	eleterious efi	fects of DNA		
			c. damage RNA	v.uit					<b>以上皆是</b>			
			o. damage 1017A									

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第

頁

科	B	授課教師	考试	囯	朔	學	號	姓
1	腫瘤生物學	邱仲峰	91年 1月	9日第_	静			
青注意 等張動	版本試題共 <u></u> 張 試題卷務必填寫(學號	」 。如發現頁數₹ ₹)、(姓名)。	下足及空白頁或(	決印・應'	當場請求	<b>技補齊・</b>	<b>雪則缺少部份概</b>	以零分計。
							`	
7	1. 若接受完整的治规	寮,colon ca 沒	<b>有轉移</b> 的狀況下	其5年存済	舌率爲多	6少?		
	a. 40%				b. 60°			
	c. 80%				d. 10	0%		
7	2. Cell cycle 中何種	stage 對 RT 最終	敦感? <a>G₁</a>	<b>S</b>		<c>G<sub>2</sub></c>	<d>M</d>	
	a. A and B		- · · <u>-</u> ·		b. B a	and C		
	c. C and D				d. D	and A		
	73. 各種 chemotherap	entic drugs 的作	用部位不同而 A	lkylating	agent 的	作用位置	爲:	
•	a. DNA		, 14 (4)° jam ( ) 4 (1) 4	•	b. RN			
	c. membrane	g Africania Santania			d. pro	otein		
-	4. Hormone therapy	可用於下列何利	f cancer 的治療	?	•			
	a. Brain cancer	37140 7 7 31 3 12			b. Pr	ostate cand	cer	
	c. Testis cancer				d. D	<b> 上皆是</b>		
	c. Testis cancer							
	二、塡充題:	•						
-	_ ` 與ル趣 · Inher	ited disorders	linking DNA r	enair def	ects wi	th carcin	ogenesis.	
-	Conditio		Charact				Defect	
7	Xeroderma pigmentos		ensitivity to ultra		t		76	
	₹	Ir	creased risk of				77	
	Bloom's syndrome	C	hromosome fragi acreased risk of le	lity ukaemia				<del></del>
		11	and lymphoma	ukuciiia				
	78		ensitivity to radia			•	cessing or damag	e
•	N.	N	leurological and i	mmune		control		
		τ.	defects ncreased risk of le	mkaomia				
			and lymphoma	ukaciiia				
	Fanconi's anaemia	C	hromosome fragi			?	•	
			Increased risk o		)		80	
	Li-Fraumeni syndrom		Aultiple cancers Aultiple cancers	•		Mismatcl		
•	81 (hereditary non-p		Muniple Cancers			1,1101114101	F	
	colon cancer							

答案請寫於最後一張之答案空格內,且只需繳回答案卷即可。謝謝!

第 ( 7 之 6 ) 頁

## 私立臺北醫學院\_九十學年度第\_\_\_學期期中考試命 題紙

系 級	科 目	按課教師	考	议	E	朔	學	號	<u>#</u>	<b>&amp;</b>
醫四	腫瘤生物學	邱仲峰	91 #	_ <del></del>	日第_			:		
<b>₩</b> Φ₩	注意本試題共强	。如發現頁數才	下足及空 E	白頁或缺印	)・應な	當場請才	は補齊・2	引助缺少部份概以	<b>以零</b> 分計。	

一、選擇顯

- 、選擇是 1	2	-3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
			,						
21	22	23	24	25	26	27	28	29	30
									·
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
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