072/2017

Question Booklet Alpha Code

A	

Question Booklet Serial Number

Total Number of Questions: 100	Time: 75 Minutes
Maximum Marks: 100	

INSTRUCTIONS TO CANDIDATES

- 1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. **A**, **B**, **C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- 6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

072/2017

1.		2020 Olympic				(C)	D	(D)	1 6 :
	(A)	Tokyo	(B)	London		(C)	Peru	(D)	Mexico
2.	The	U.S. Presiden	t Donald	Trump was	s the F	reside	ential nominee o	of whicl	h party ?
	(A)	Socialist Par	rty		(B)	Repu	ıblican Party		
	(C)	Democratic	Party		(D)	Libe	rtarian Party		
3.	Inter	rnational Lite	racy Day i	is on :					
	(A)	4 th Septemb	er (B)	5 th June		(C)	8 th June	(D)	8 th September
4.	Four	nder of Samat	thwa Sam	ajam in Ke	rala :				
	(A)	Ayya Vaiku	nda Swar	nikal	(B)	Dr. I	Palpu		
	(C)	Sahodaran .	Ayyappaı	ı	(D)	Ayya	ankali		
5.	Kara	ıt Govindan I	Kutty Mer	non was the	e real	name	of		
	(A)	Chattampi S	Swami		(B)	Ayya	a Vaikundar		
	(C)	Brahmanan	da Sivayo	gi	(D)	Thyo	caud Ayya		
6.	'Ente	e Jeevitha San	narankal'	was the au	tobiog	raphy	of:		
	(A)	Sree Naraya	na Guru		(B)	Man	nathu Padman	abhan	
	(C)	Pandit Karu	ıppan		(D)	V.T.	Bhattathirippa	du	
7.	Who	has been kno	own as th	e Father of	Keral	a Rena	aissance ?		
	(A)	K. Kelappar	า		(B)	Kum	naranasan		
	(C)	Sree Naraya	na Guru		(D)	Vagl	ohadananda		
8.	Whi	ch River is als	so known	as Indus ?					
	(A)	Ganga	(B)	Brahmapı	uthra	(C)	Kaveri	(D)	Sindhu
9.	The	first ecotouris	m in Indi	a:					
	(A)	Goa	(B)	Thenmala	1	(C)	Wayanadu	(D)	Mysore
10.	The	father of the	Modern T	ravancore :					
	(A)	Marthanda	Varma		(B)	Dha	rmaraja		
	(C)	Pazhassi Ra	ja		(D)	Visa	kham Tirunal		
A					3				

{P.T.O.}

11.	Who	wrote the book	"India	ın War of Ir	ndepe	ndenc	e" ?		
	(A)	M.N. Roy	(B)	V.D. Sava	rkar	(C)	Thara Chand	(D)	B.R. Nanda
12.	The	progress in increa	se of	Fish produc	ction v	was ca	ılled :		
	(A)	White Revolutio	n		(B)	Yello	w Revolution		
	(C)	Green Revolutio	n		(D)	Blue	Revolution		
13.	The	first Five Year Pla	ın in I	ndia was fr	om:				
	(A)	1947 - 1952	(B)	1949 - 195	54	(C)	1951 - 1956	(D)	1952 - 1957
14.	India	a earns maximum	forei	gn exchange	e by t	he exp	port of:		
	(A)	Iron	(B)	Tea		(C)	Textiles	(D)	Handloom
15.	Which	ch Maharaja of Ti Sree Chithira Th				-	entry proclamat	ion ?	
	(B)	Setu Lakshmi Ba		ii Daiaraina	v ai ii	ıa			
	(C)	Ayilyam Tiruna							
	(D)	Swathi Tirunal	•						
	(2)								
16 .	And	y Murray is a far	nous		playe	er.			
	(A)		(B)		1 ,	(C)	Chess	(D)	Tennis
17.	Who	was the Viceroy	of Inc	dia at the ti	me of	Partit	ion of Bengal (19	05) ?	
	(A)	Lord Curzon	(B)	Lord Mayo	0	(C)	Lord Wellesly	(D)	Lord Lytton
18.	Who	was the First Sec	cretary	y of SNDP ?	>				
	(A)	Sree Narayana (Guru		(B)	Chat	tampi Swamikal		
	(C)	Ayyankali			(D)	Kum	naranasan		
19.	Quit	India Movement	was	started on :					
	(A)	1930	(B)	1938		(C)	1942	(D)	1946
20.	Who	was the founder	of Ra	nmakrishna	Missi	on ?			
	(A)	Sri Ramakrishna	a Para	amahamsar					
	(B)	Dayananda Sara	aswat	hi					
	(C)	Swami Vivekan	anda						
	(D)	Raja Rammohar	n Roy						

21.	DNA	A model was pro	posed	by Watson	and C	Crick i	n the year :		
	(A)	1970	(B)	1953		(C)	1983	(D)	1965
22.	Whi	ch statement of c	ell cyc	ele is not tru	e ?				
	(A)	It consists of m	itosis a	and interpha	ase				
	(B)	The cell's DNA	replic	cates during	G1				
	(C)	A cell can rema	in in (G1 for week	s or e	ven lo	nger		
	(D)	Most proteins a	re for	med through	hout a	all sub	phase of interp	hase	
23.	The	element with ato	mic n	umber Z=1	15 wi	ll be p	placed in :		
	(A)	7 th period, I A	group		(B)	8 th p	eriod, IV A gro	oup	
	(C)	7 th period, V A	group)	(D)	6 th p	eriod, V B grou	ıp	
24.	Half-	-life period of a ra	adioac	tive elemen	t X is s	same a	as the mean life	time of	another element Y.
		ally, they have sa							
	(A)	X will decay fas	ster th	an Y					
	(B)	Y will decay fas	ster th	an X					
	(C)	Y and X decay	at the	same rate a	fter o	ne hal	f-life period		
	(D)	Y and X have s	ame d	ecay rate in	itially				
25.	The	difference betwe	en sof	t and hard)	X-rays	is of	:		
	(A)	Velocity	(B)	Intensity	•	(C)	Frequency	(D)	Polarization
26.	Whi	ch rays are not tl	ne por	tion of elect	ro-ma	agnetio	c spectrum ?		
	(A)	Alpha-rays	(B)	X-rays		(C)	Microwaves	(D)	Radiowaves
27.	Who	se experiments n	nark tl	ne beginning	g of th	e field	d of communica	tion usi	ng electromagnetic
	wave	es?							
	(A)	J.C. Bose	(B)	Maxwell		(C)	Marconi	(D)	Hertz
28.	The	correct sequence	of the	increasing	wave]	length	of the given ra	diation	sources is :
	(A)	Radioactive sou		O		U	J		
	(B)	Radioactive sou		•	•			•	•
	(C)	X-ray tube, rad		•		-	1 ,		
	(D)	X-ray tube, crys			•			-	-
20	T A 71		C	C 1.			2		
29.		t is the range of	-	-	asomo			(D)	100 111
	(A)	1 kHz	(B)	5 kHz		(C)	50 kHz	(D)	100 kHz
A					5				072/2017
									{P.T.O.}

30.	Whi	ch is the comm	onest ca	ncer amon	g fema	ales?					
	(A)	Uterus	(B)	Tongue		(C)	Lung		(D)	Breast	
31.		ode rays are m t of the magnet		pass betwe	een the	e pole	s of a mag	net pe	erpenc	licular to axi	is, the
	(A)	to increase the	velocit	y of rays							
	(B)	to deflect then	n towar	ds the nort	h pole						
	(C)	to deflect then	n towar	ds the sout	h pole						
	(D)	to deflect then	n upwa	rds above t	the pla	in of 1	oaper				
32.	Phot	ocell is a device	e to:								
	(A)	store photons									
	(B)	measure light	intensit	ty .							
	(C)	convert photo	n energ	y into mec	hanica	l ener	gy				
	(D)	store electrical	energy	for replac	ing sto	rage l	oatteries				
33.	If the	e X-ray tube is	working	g at 20 kV t	hen th	e min	imum wav	elengtl	h of X	-rays will be	:
	(A)	0.62 A	(B)	0.93 A		(C)	0.47 A		(D)	0.31 A	
34.	Isoto	pes are atoms l	naving :	:							
	(A)	same number	of prote	ons, but dif	ferent	numb	er of neutr	ons			
	(B)	same number	of neut	rons, but d	ifferen	t num	ber of prot	ons			
	(C)	same number	of neut	rons and p	rotons		-				
	(D)	none of the ab	oove								
35.	If an	electron jumps	from 1	st orbit to 3	s rd orbi	it, theı	n it will :				
	(A)	Absorb energy			(B)		ase energy				
	(C)	Have no differ	rence in	energy	(D)	It ca	nnot jump	from 1	l st orb	it to 3 rd orbi	t
36.	Gam	ma rays are de	flected	:							
	(A)	In an electric f	ield bu	t not by a r	nagnet	ic fiel	đ				
	(B)	A magnetic fie	eld but	not by an e	lectric	field					
	(C)	Both electric a	nd mag	netic field							
	(D)	Neither electri	c nor n	nagnetic fie	ld						
37.	Radi	oactivity is:									
	(A)	Irreversible pr	ocess		(B)	Self	disintegrat	ion pro	ocess		
	(C)	Spontaneous			(D)		of the above	-			
072/	2017				6						A
,											

38.	Half	life of radioactive	e elen	nent depend	ds upo	n:			
	(A)	Temperature			(B)	Pres	sure		
	(C)	Both of the above	re		(D)	Non	e of the above	e	
(A) Temperature (C) Both of the above (D) None of the above 39. Curie is a unit of: (A) Energy of gamma rays (B) Half life (C) Radioactivity (D) Intensity of gamma rays 40. Boron rods in a nuclear reactor is used to: (A) Absorb excess neutrons (B) Absorb alpha particles (C) Slow down the reaction (D) Speed up the reaction 41. IMRT stands for: (A) Intra Medullary Radiotherapy (B) Intensity Modulated Radiotherapy (C) Interstitial Modulated Radiotherapy (D) Intensity Maximized Radiotherapy (D) Intensity Maximized Radiotherapy 42. Which is the commonest primary Brain tumour? (A) Medulloblastoma (B) Glioma (C) Neuroblastoma (D) Pituitary adenoma 43. The length of one turn of DNA is: (A) 3.4 A (B) 34 A (C) 20 A (D) 3.04 44. Stereotactic Radio-surgery is a form of: (A) Radiotherapy (B) Radioiodine therapy (C) Robotic Surgery (D) Cryo Surgery 45. Which one of the following therapeutic modes is commonly employed in in radiotherapy? (A) Electron (B) Photons (C) X-rays (D) Gan 46. WHO Ladder is for the rational titration of: (A) Radiotherapy (B) Chemotherapy									
	(A)	Energy of gamn	na ray	rs	(B)	Half	life		
	(C)	Radioactivity			(D)	Inte	nsity of gamn	na rays	
40.	Boro	on rods in a nucle	ar rea	ctor is used	l to:				
	(A)	Absorb excess n	eutro	ns	(B)	Abso	orb alpha par	ticles	
	(C)	Slow down the	reacti	on	(D)	Spee	ed up the read	ction	
41.	IMR	T stands for :							
	(A)	Intra Medullary	Radi	otherapy					
	(B)	Intensity Modul	ated	Radiotheraj	ру				
	(C)	Interstitial Mod	ulatec	d Radiother	ару				
	(D)	Intensity Maxim	nized	Radiothera	ру				
42.	Whi	ch is the common	est p	rimary Brai	n tum	our ?			
	(A)	Medulloblastom	ıa		(B)	Glio	ma		
	(C)	Neuroblastoma			(D)	Pitu	itary adenom	ıa	
43.	The	length of one turn	n of D	NA is:					
	(A)	3.4 A	(B)	34 A		(C)	20 A	(D)	3.04 A
44.	Stere	eotactic Radio-sur	gery i	is a form of	•				
	(A)	Radiotherapy			(B)	Radi	ioiodine thera	ару	
	(C)	Robotic Surgery			(D)	Cryo	Surgery		
45.			lowin	g therapeu	tic mo	des is	s commonly o	employed	in intra-operative
	(A)	Electron	(B)	Photons		(C)	X-rays	(D)	Gamma rays
46.	WH	O Ladder is for th	ne rati	ional titratio	on of :				
	(A)	Radiotherapy			(B)	Che	motherapy		
	(C)	Anti depressant	s		(D)	Oral	analgesics		

47.		following are in metrium except :		ions for po	st op	erativ	e radiotherap	y in a c	case of carcinoma					
	(A)	Myometrial inva	sion (of more than	n half	thick	ness							
	(B)	Positive lymph r	nodes											
	(C)	Endocervical inv	olven	nent										
	(D)	Tumor positive i	for est	trogen recep	otors									
48.		technique employ hing is known as		n radiothera	ipy to	coun	teract the effe	ct of tun	nor motion due to					
	(A)	Arc technique	(B)	Modulatio	n	(C)	Gating	(D)	Shunting					
49.	Whic	ch one of the follo	wing	radioisotop	e is n	ot use	d as permaner	nt implai	nt ?					
	(A)	Iodine - 125	(B)	Palladium	- 103	(C)	Gold - 198	(D)	Caesium - 137					
50.	The 1	nost definitive method of diagnosing pulmonary embolism is :												
	(A)	EKG Radioisotone perfusion pulmonary scintigraphy												
	(B)													
	(C)													
	(D)	, , , , , , , , , , , , , , , , , , , ,												
51.	Whic	ch of the followin	g caus	ses rib-notcl	hing o	on the	chest radiogra	iph ?						
	(A)	Bidirectional Gle	em sh	unt	(B)	Mod	ified Blalock -	Taussing	g shunt					
	(C)	IVC occlusion			(D)	Coar	ctation of Aor	ta						
52.	For r		ograp	hy you wo	uld ex	kpect	to get the best	contrast	characteristics by					
	(A)	35 kV	(B)	65 kV		(C)	95 kV	(D)	125 kV					
53.	Whic	ch one of the follo	wing	tumors sho	ws ca	alcifica	ition of CT Sca	n more	commonly ?					
	(A)	Ependymoma			(B)	Med	ulloblastoma							
	(C)	Meningioma			(D)	CNS	lymphoma							
54.		th of the following fetus ?	ultras	sound marke	er is as	ssociat	ed with greates	st increas	ed risk for Trisomy					
	(A)	Echogenic foci ii	n hear	rt	(B)	Нур	erechogenic bo	wel						
	(C)	Choroid plexus	cysts		(D)	Nucl	nal edema							
/					_									

55.	The gold standard for the diagnosis of osteoporosis is:												
	(A)	Dual energy X-r	•										
	(B)	Single energy X	-ray a	bsorptiometry	7								
	(C)	Ultrasound		1									
	(D)	Quantitative con	mpute	ea tomograpn	ıy								
56.	In or	rder to check for is used.	poss	ible leakage	of ra	adioa	ctive material fr	om a	cobalt camera the				
	(A)	TLD	(B)	Wipe test		(C)	G-M counter	(D)	DRD				
57.	The	optimal film spee	d for	intra-oral rad	iogra	aphy	is:						
	(A)	C speed	(B)	D speed		(C)	E speed	(D)	F speed				
58.	Wha	t does a "cell sur	vival (curve" describ	be?								
	(A)	-	does a "cell survival curve" describe? The relationship between the radiation dose and the number of cells that have gone through one mitosis after irradiation.										
	(B)	The relationship clonogenic.	The relationship between the radiation dose and the proportion of cells that remain										
	(C)	The relationship suffered the loss				n dos	e and the numb	er of o	cells that have not				
	(D)	The relationship DNA.	The relationship between the radiation dose and the proportion of cells that can produce										
59.	Whic	ch of the followin	ıg stat	ements is fals	se ?								
	(A)		sensit			ne pre	esence of oxyger	than	in its absence (i.e.				
	(B)	By "oxygen enh needed to achiev						hypox	ic to aerated doses				
	(C)	1 ,	U				about 3 at high of lose per fraction		and about 2 at low iotherapy).				
	(D)	The OER does n	ot va	ry with the ph	nase	of the	e cell cycle.						
60.	The	effective dose for	a mu	ltiple-slice che	est C	T-sca	n is :						
	(A)	1 mSv.	(B)	2 mSv.		(C)	4 mSv.	(D)	8 mSv.				
61.	Whic	ch radiologic test	is use	d to diagnose	gall	stone	s?						
	(A)	Barium enema			(B)		venous pyelogra	ım					
	(C)	Cholangiograph	ıy	`	(D)		eoscopy						

62.	Spal	ding's sign occurs after :		
	(A)	Birth of live foetus	(B)	Death of foetus in uterus
	(C)	Rigormortis of infant	(D)	Cadaveric spasm
63.		ch one of the following congenital ester by ultrasound?	malfo	ormations of the fetus can be diagnosed in first
	(A)	Anencephaly	(B)	Inencephaly
	(C)	Microcephaly	(D)	Holoprosencephaly
64.	Brov	vn tumours are seen in :		
	(A)	Hyperparathyrodism	(B)	Pigmented villonodular synovitis
	(C)	Osteomalacia	(D)	Neurofibromatosis
65.	Whi	ch of the following malignant tum	ours i	s radioresistant ?
	(A)	Ewing's sarcoma	(B)	Retinoblastoma
	(C)	Osteosarcoma	(D)	Neuroblastoma
66.	The	bulge at the upper end of the stor	nach is	s called the :
	(A)	Fundus	(B)	Greater curvature
	(C)	Pylorus	(D)	Rugae
67.	tung		to the	void the orbital electrons as they pass through a nucleus of the atom to come under the influence vill produce what type of X-rays?
	(A)	Characteristic X-rays	(B)	Compton X-rays
	(C)	Bremsstrahlung X-rays	(D)	Thompson X-rays
68.	Wha	nt is the relationship of LET and bi	ologic	damage ?
	(A)	They increase in direct proportion	n.	
	(B)	They are inversely proportional.		
	(C)	There is no relationship.		
	(D)	There is a nonlinear nonthreshol	d rela	tionship.
69.	no n			nospital with external injuries. CT brain showed sed with multiple small haemorrhages. What is
	(A)	Cerebral contusion	(B)	Cerebral laceration
	(C)	Multiple infarcts	(D)	Diffuse axonal injuries

	(C)	Within 3 weeks			(D)	Any	time after surg	ery					
71.	Half	-life of Technetius	n 99 i	s:									
	(A)	2 hours	(B)	6 hours		(C)	12 hours	(D)	24 hours				
72.	Radi	ation damage is d	livide	d into (a) le	thal d	amage	e, (b) sublethal	damage	and (c) potentially				
		ıl damage (PLD).		` '		0	` '	0	() 1				
	(A)	PLD will cause	cell d	eath under	ordin	ary ci	cumstances.						
	(B)	PLD cannot be	repair	ed under o	rdinaı	ry circ	umstances.						
	(C)	The variation of	posti	rradiation o	condit	ions c	annot enhance	PLD re	pair.				
	(D)	PLD repair is les	D repair is less likely to occur when mitosis is delayed.										
73.	Whi	ch of the followin	the following statements is false ?										
	(A)		Ü			ither (die or continue	being v	iable but mutated.				
	(B)	The two events a	above	are very di	fferen	t whe	n it comes to th	e dose d	lependence of their				
	. ,	probability to octhe cell belongs.	cur a	nd also whe	en it c	omes	to their impact	on the	organism to which				
	(C)	Cell killing by ra	adiatio	on is said to	be a	"dete	ministic effect"	•					
	(D)	Cell mutating by	y radi	ation is said	d to be	e a "n	onstochastic eff	ect".					
74.	The	average effective	dose 1	rom medic	al rad	iation	is about :						
	(A)	The same as the	dose	from natur	al bac	kgrou	nd radiation.						
	(B)	The same as the	dose	from natur	al bac	kgrou	nd radiation e	xcluding	g radon.				
	(C)	Half of the total	effect	ive dose.									
	(D)	One third of the	total	effective do	ose.								
75.		ne percent-labeled s the duration of :		ses techniq	ue, th	e time	e interval befor	e any n	nitotic cells appear				
	(A)	The S phase	(B)	The G ₁ ph	ase	(C)	The G ₂ phase	(D)	The M phase				
	` /	1	` /	1.1		()	∠ 1	()	1				
76.	Whi	ch of the followin	g stat	ements is f a	alse?								
	(A)	By "cataract" is eye.	denot	ed any dete	ectable	chan	ge in the norma	ally tran	sparent lens of the				
	(B)	Cataracts can be	caus	ed by irradi	iation	of the	e lens.						
	(C)	Cell division in	the lei	ns continue	s thro	ughou	t life.						
	(D)	The lens has the	same	mechanisn	ns for	cell re	emoval as other	norma	l tissues.				

11

072/2017

{P.T.O.}

The ideal timing of radiotherapy for Wilms Tumour after surgery is :

(B)

Within 2 weeks

70.

 \mathbf{A}

(A) Within 10 days

77.	1 y p 1 (A)	icai industriai rad 50 milliroentge	0 1	ony pocket	aosim (B)		nave a fuii scai milliroentgens	e readin	ig of:	
	(C)	200 milliroentg			(D)		milliroentgens			
78. 79.	Cons (i) (ii) (iii) (A) (C) From (A)	sider the following have energy exert pressure of have the same (i), (ii) and (iii) (ii) and (iii) are nowhich embryond Notocord	ng stat on an o momen are correct correct (B)	object ntum. Of the rrect et acture does Nerve core	hese s (B) (D) vertel	tatem (i) a: (i) a: oral co (C)	ents: nd (ii) are corre nd (iii) are corre olumn develop Coelom ency would be	ect ect ? (D)	Atrium	
	(A)	$5.3 \times 10^{16} \text{ Hz}$	(B)	5.3×10^{17}	Hz	(C)	$5.3 \times 10^{18} \text{ Hz}$	(D)	$5.3 \times 10^{15} \text{ Hz}$	
81.	The (A) (B) (C) (D)	term "metaplasia Differentiated of type Cell becomes d Cell grows abn A precancerous	cell is a ediffer ormall	able to beco entiated y fast	ome tr	ansfo	rmed into a di	fferentia	ted cell of ano	ther
82.	Clou (A)	ds are contained Troposphere	l in a l (B)	ayer from t		th's s (C)	urface, which is Mesosphere	s called (D)		
83.		um lamps are us Yellow light is Yellow light is Yellow light is Wavelength of	scatter scatter unaffe	ed less by tl ed more by cted during	he fog the fo passa	partion participant partion participant partin participant participant participant participant participant par	cles ticles rough the fog	f the spe	ectrum	
84.	The (A)	term 'genetics' w Mendel	vas coi (B)	nded by : Bateson		(C)	Punett	(D)	Morgan	
85.	_	ene, which affect cologous chromos Duplicate gene Complimentary	some is	s called :	of ano (B) (D)	Epis	gene, not locate tatic gene plementary ger		milar locus of	the
072/	2017				12					A

86.	In fluorescence, there is:										
	(A)	Increase in wavelength of emitted radiation									
	(B)	Decrease in wavelength of emitted radiation									
	(C)	No change in wavelength of emitted radiation									
	(D)	Both increase and decrease in wavelength of emitted radiation									
87.	What is the treatment of choice for stage III Ca Cervix ?										
	(A)	a) Chemotherapy				Radiotherapy					
	(C)	Chemoradiotherapy			(D)	Surgery					
88.	What is the surgery of choice for a patient with Ca Breast T2 N0 M0?										
	(A)	Modified Radical Mastectomy			(B)	MRM+Axillary dissection					
	(C)	Wide local excision			(D)	WLE + Axillary dissection					
89.	Which of the following cannot be emitted by radioactive substances during their decay?										
	(A)	Electron			(B)	Helium nucleus					
	(C)	Proton			(D)	Neutrino					
90.	The functional unit of a gene which specifies synthesis of one polypeptide is a :										
	(A)	Recon	(B)	Codon		(C)	Cloe	(D)	Cistron		
91.	Only maternal immunoglobulin normally transported through placenta is :										
	(A)	IgA	(B)	IgD		(C)	IgM	(D)	IgG		
92.	What is the screening method for medullary carcinoma of thyroid?										
	(A)	Serum calcitonin			(B)	Serum calcium					
	(C)	Serum ALP			(D)	Serum acid phosphatase					
93.	Stability of the ankle joints is maintained by all except:										
	(A)	Collateral ligaments				Cruciate ligaments					
	(C)	Tendons of muscles attached			(D)	Close apposition of articular surfaces of bone					
94.	Process of heat transfer that involves continual emission of infrared waves from surface of										
	bodies and transmission of these waves without aid of medium is known as:										
	(A)	Conduction	(B)	Convection	on	(C)	Radiation	(D)	None of above		

95.		rays is 20 Wm ⁻² ,								
	(A)		(B) 2.5 Wm^{-2}							
96.	Post cricoid carcinoma of the oesophagus are best treated by :									
	(A) Radiotherapy									
	(B)	Total oesophagectomy								
	(C)	Pharyngolaryngectomy with gastric transposition								
	(D)	Intubation through growth								
97.	Which of the following tests will provide the best evaluation of the patient with colorectalcancer ?									
	(A)	CA 19 - 9		(B)	CA	125				
	(C)	CEA (carcinoemb	oryonic antigen)	(D)	AFP	(alpha-foetopi	rotein)			
98.	Post-operative radiotherapy in a patient operated for Ca-endometrium is indicated in all of the following except :									
	(A)) Deep myometrial invasion			Pelv	c lymph node involvement				
	(C)	Enlarged uterine	cavity	(D)	Poor	tumour differ	entiation	ı		
96. 97. 98.	'Egg-on-side' appearance on X-ray chest is seen in :									
	(A)	Tetralogy of Fallo	t	(B)	Unco	orrected TGA				
	(C)	Tricuspid atresia		(D)	Ebste	ein's anomaly				
100.	Which of the following is false regarding intraocular retinoblastoma?									
	(A)	(A) 94% cases are sporadic								
	(B)	Individuals with sporadic retinoblastoma do not pass their genes to their children								
	(C)	Reese Ellsworth classification is used for predicting visual prognosis following radiotherapy								
	(D)	7) Tumour calcification can be detected by an ultrasound scan								
				- o 0 o	o -					

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK