Test Booklet No. _____ This booklet consists of 100 questions and 09 printed pages.

RGUCET/2024/__/_

Series | NIL

RGUCET 2024

Common Entrance Test, 2024 POST GRADUATE DIPLOMA (FORENSIC SCIENCE)

Full Marks: 100

Time: 2 Hours

Roll No.									
Day and Da	te o	f Exa	amin	atio	n:			 	
Signature o	f Inv	vigila	ator(s)		 	 	 	
Signature o	f Ca	ndid	ate _						

General Instructions:

PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 100 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark. There shall be negative marking of 0.25 against each wrong attempt.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall within one hour thirty minutes.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy.

1	Which of the f blood?	n body other than	с		
	a) RBC	b) Platelets	c) Lymph	d) Plasma	Lymph
2	Which instrun	nent is used to hea	r the sound of heart	?	a
	a) Stethoscope	b) Haemometer	c) Sphygmomanom eter	d) Electrocardiogr aph	Stethoscope
3	Which of the t	following is a heri	table characteristic?		b
	a) Learned behavior	b) Eye color	c) The ability to ride a bicycle	d) The ability to play a musical instrument	Eye color
4	Which of the	following is not a	renewable source of	f energy?	С
	a) Solar energy	b) Wind energy	c) Fossil fuels	d) Hydroelectric energy	Fossil fuels
5	Which of the	following is an exa	ample of non-biode		b
	a) Paper	b) Plastic bags	c) Fallen leaves	d) Vegetable peels	Plastic bags
6		e of common salt			b
	a) Sodium Nitrate	b) Sodium chloride	c) Sodium bicarbonate	d) Sodium hydroxide	Sodium chloride
7		ormal heart beat of			b
	a) 60-70 times/ minute	b) 70-80 times/ minute	c) 80-90 times/ minute	d) 85-95 times/ minute	70-80 times/ minute
8	Which is the 1	ongest bone in hu	man?	•	а
	a) Femur	b) Humerus	c) Tibia	d) Fibula	Femur
9	What is the de	ental formula of hu	ıman		d
	a) 2-1-3-3	b) 2-1-3-2	c) 2-1-2-2	d) 2-1-2-3	2-1-2-3
10	How many co	mponents are pres	ent in the basic unit	of DNA?	с
	a) one	b) two	c) three	d) four	three
11	What is the fu	ll form of DNA?	1	1	b
	a) Degenerativ e Acid	b) Deoxyribonucl eic acid	c) Distilled Nucleic acid	d) Disoriented acid	Deoxyribonuc leic acid
12	How many typ	pes of nucleic acid	ls are present in the	living systems?	с
	a) four	b) three	c) two	d) one	two
13	Mendel used t	he term	_ for gene.		а
	a) factor	b) allele	c) locus	d) DNA	factor
14	The acids proc called-	luced by stomach	in human body to h	elp in digestion is	a
	a) Hydrochlori c acid	b) Sulphuric acid	c) Nitric acid	d) Benzoic acid	Hydrochloric acid
		n is due to -	1	1	d

	a) Hydrolysis process	b) Reduction Process	c) Carbonation Process	d) Oxidation Process	Oxidation Process
16		Vitamin helps in b	lood clotting?		d
10	a) Vitamin A	b) Vitamin C	c) Vitamin D	d) Vitamin K	Vitamin K
17	/		e power house of a c		b
	a) Nuclei	b)	c) Golgi bodies	d) Lysosome	
	u) i tuoioi	Mitochondria	e) sorgi couros	u) Ljoosonie	Mitochondria
18	Other than the	e nucleus, which of	rganelle has DNA		b
	a)	b)	c) Golgi bodies	d) Lysosome	
	Cytoplasm	Mitochondria	-)8		Mitochondria
19		the process of			b
	a) Growth of		c) Germination	d) visiting	Transfer of
	pollen tube	/	/	flowers by	pollen from
	in ovule	anther to		insects	anther to
		stigma			stigma
20	Plants receive	their nutrients ma	inly from		d
	a)	b) Atmosphere	c) light	d) soil	soil
	Chlorophyll				SOII
21	Oxygen are ca	arried to various pa	arts of human body		с
	a) Plasma	b) Nerves	c) Red blood	d) White blood	Red blood
			cells	cells	cells
22		e between cartilage		1	с
	a) bone is a more primitive tissue than cartilage	b) bone is rubbery, and cartilage is firm	c) bone is firm, and cartilage is rubbery	d) bone is inside the body, and cartilage is outside	bone is firm, and cartilage is rubbery
23	Which of the a A. bone protect B. bone is where C. bone serves D. bone is a d	d			
	a) B, C and D	b) B and D	c) C and D	d) only D	only D
24		oones so strong?			b
	a) cartilage	b) calcium and	c) silica	d) bone marrow	calcium and
	a) cartilage	phosphorus	c) shieu	,	phosphorus
25	ý Q	/		,	
25	ý Q	phosphorus		d) Heraclius	phosphorus
25 26	The first cervi	phosphorus cal vertebra is call b) Atlas	led -		phosphorus b
	The first cervi a) Axis Ribs are attacl	phosphorus cal vertebra is call b) Atlas hed to	led -		phosphorus b atlas
	The first cervi a) Axis Ribs are attacl a) scapula	phosphorus cal vertebra is call b) Atlas hed to b) sternum	led - c) Venus c) clavicle	d) Heraclius	phosphorus b atlas b
26	The first cervi a) Axis Ribs are attacl a) scapula	phosphorus cal vertebra is call b) Atlas hed to b) sternum Indian missile tech	led - c) Venus c) clavicle	d) Heraclius	phosphorus b atlas b sternum
26	The first cervi a) Axis Ribs are attack a) scapula The father of	phosphorus cal vertebra is call b) Atlas hed to b) sternum	ed - c) Venus c) clavicle nnology is -	d) Heraclius d) ilium	phosphorus b atlas b sternum c

	a) Airways	b) Railways	c) Roadways	d) Iron and	
	a) Allways	0) Kallways	c) Roadways	Steel plants	Railways
29	The study of H	Heavenly bodies is	s known as -	Steer plants	d
	a)	b) Astronautics	c) Astrology	d) Astronomy	
	Astrophysics	,	, 25	, ,	Astronomy
30		pes not share its b	oundary with Myan	mar?	d
	a) Arunachal Pradesh		c) Manipur	d) Sikkim	Sikkim
31		ood in human bein	gs begins in which j	part of alimentary	a
	a) Mouth	b) Stomach	c) Small intestine	d) Large intestine	Mouth
32	Who among th	ne following natio	ns is not a member	of BRICS?	b
	a) India	b) Japan	c) China	d) Russia	Japan
33	Who wrote the	e book 'A brief his	story of time'?	•	a
	a) Stephen Hawking	b) John Green	c) J K Rowling	d) Suzame Colling	Stephen Hawking
34		way' is the biogra			b
	a) Mohammad Azaruddin	b) Sachin Tendulkar	c) Kapil Dev	d) Harbhajan Singh	Sachin Tendulkar
35	Match the foll	owing famous per	sonality with their a	utobiography.	
			-		
	A Mary Kom	l	i Long Walk to Fi	reedom	2
	B Nelson Ma	indela	ii Unbreakable		а
	C APJ Abdul	Kalam	iii Freedom in Ex	ile	
	D Dalai Lam		iv Wings of Fire		
		b) A-ii; B-i; C-	c) A-ii; B-iii; C-	d) A-iii; B-i; C-	A-ii; B-i; C-
	C-iv; D- iii	iii; D- iv	iv; D- i	iv; D- ii	iv; D- iii
36		r and Peace' is wr		1) 11 0 11 11	а
	/	b) Dalai Lama	c) Maroof Raza	d) HG Wells	Leo Tolstoy
27	Tolstoy		· • • • •		
37		of India does the	sunrise first appear		a Arunachal
	a) Arunachal Pradesh	b) Meghalaya	c) West Bengal	d) Nagaland	Pradesh
38		first woman to bac	come the governor o	f an Indian state?	c
50	a) Aruna	b) Vijay Laxmi		d)Krishna	
	Asif Ali	Pandit		Hutheesing	Sarojini Naidu
39			ill festival in Decen	0	b
	a) Manipur	b) Nagaland	c) Arunachal Pradesh	d) Mizoram	Nagaland
40	The national s	port of Bhutan is	-		а
	a) Archery	b) Football	c) Table Tennis	d) Badminton	Archery
41	Which of the f	following is true?			d
	a) Red Blood	b) Red Blood	c) Red Blood	d) Red Blood	Red Blood
	Cells are	Cells are	Cells are	Cells are devoid	Cells are
	devoid of		nucleated and are	of nucleus and	devoid of
	nucleus and		biconvex in	are biconcave	nucleus and
	are biconvex	in shape	shape	in shape	are biconcave
	in shape				in shape
42		pressed as percent		1 0 50 (<u>с</u>
	a) 0.25%	b) 1.40%	c) 25%	d) 2.5%	25%

43	Most commor	form of colour bl	lindness is-		a
-1 <i>J</i>		b) Blue-yellow	c) Red-yellow	d) Blue-green	Red-green
44	What is demo		c) ited yenow	d) Dide green	c
		b) study of tribe	c) study of	d) study of	study of
	race	<i>c)</i> study of the <i>c</i>	population	earth's crust	population
45		prrect sequence	population		population
					с
	a) premolar-	b) canine-	c) incisor-	d) incisor-	
	molar-	incisor-	canine-premolar-	premolar-	incisor-canine-
	canine-	premolar-molar	molar	canine-molar	premolar-
	incisor				molar
16	Sortona ia a tri	ihe of			
46	Sartang is a tri		a) Ammaahal	d) No color d	c Arunachal
	a) Manipur	b) Mizoram	c) Arunachal Pradesh	d) Nagaland	Pradesh
47	'Paglada' is a	dance form of wh			
+/	a) Assam		c) Manipur	d) Andhra	с
	aj Assaili	b) Punjab		Pradesh	Manipur
48	Which of the t	following hone is	not a part of human		d
-10	a) Parietal	b) Frontal	c) Temporal	d) Sacrum	Sacrum
49			different aspects of		
17	called as	d			
	a)	b)	c) Serology	d)	
	Ósteometry	Paleoanthropol) 65	Somatometry	Somatometry
	5	ogy		, , , , , , , , , , , , , , , , , , ,	5
50	Agriculture fin	rst developed duri	ng		с
	a)	b) Mesolithic	c) Neolithic	d) Chalcolithic	Neolithic
	Paleolithic				Neontific
51	Skin Colour in	n Human is an exa	mple of		d
	a) Sex-	b) Monogenic	c) Sex-	d) Polygenic	Polygenic trait
	linked trait	trait	influenced trait	trait	i orygenie trait
52		Day is observed on		1	b
	a) 10 th	b) 1 st	c) 14 th November	d) 10 th	1 st December
	December	December		November	
53	Dyslexia is as	sociated with	-	1 1 1 1 1 1	a
	a)	b) writing	c) mental	d) behavioural	reading
	reading	disorder	disorder	disorder	disorder
51	disorder Alzheimer Dis				
54	a) Dementia	b) Malnutrition	c) Diabetes	d) Cancer	a Dementia
55	/	e book " <i>A Philoso</i>	/	u) Calicel	Dementia
55		с			
	a) D. N	b) T. C Das	c) Verrier Elwin	d) C. V. F	
	Majumdar	-) I. C Dub		Haimendorf	Verrier Elwin
56	v	ype 'O' blood gro	up marries a woma		
	•		erent blood group ty	• 1	с
	could NOT ha		8r	1	
	a) 'A' group	b) 'B' group	c) 'O' group	d) 'AB' group	'O' group
57		inting is used to id			<u>d</u>
	a) Parents		c) Rapist	d) All of the	All of the
		b) Thieves		above	above
58	Which of the	following is/ are n	ot a characteristic fe	eature of human?	d

	B. Reduce C. Precisi	orly placed forame ed Olfactory bulb on gripping be dental arcade	en magnum		
	a) A, B, C and D	b) B, C and D	c) C and D	d) D only	D only
59	Which of the	following human b	oone does not exist i	in pair	d
	a) Parietal Bone	b) Frontal Bone	c) Zygomatic Bone	d) Temporal Bone	Temporal Bone
60	Which of the f	following instrum	ent is not use in Ant	hropometry?	d
	a) Spreading Calliper	b) Sliding Calliper	c) Weighing Balance	d) Cubic Craniophore	Cubic Craniophore
61		tle of the famous at natural selectior	book by Charles I	Darwin where he	a
	a) On the Origin of Species	b) Origin of Species through Natural selection	c) Organic Evolution	d) Human Evolution	On the Origin of Species
62	Who has the la	argest cranial capa	city?		а
	a) Neandertal man	b) Homo sapiens	c) Homo erectus	d) Homo heidelbergensis	Neandertal man
	B. It transC. Its circD. It is usa) A, B, C	not under recomb smitted maternally sular in shape eful for evolutiona b) B, C and D		d) D only	a A, B, C and D
6.4	and D	, ,	1: 0140		11, D, C unu D
64		nous base is not fo		1 1 1 1	a
(5	a) Uracil	b) Thymine	c) Cytosine	d) Adenine	Uracil
65	a) cranium is larger than facial portion	b) sutures are highly serrated	true for human skul c) prominent supraorbital ridges	d) nuchal lines are less mark	c prominent supraorbital ridges
66	The condition chromosome i		aberration having	only a X in sex	а
	a) Turner syndrome	b) Klinefelter syndrome	syndrome	d) Trisomy X	Turner syndrome
67	Identify the conduct decending ord	_	f organization of ge	enetic material in	b
68	a) gene - nucleotide - chromosome - genome Which of the t	b) genome - chromosome - gene - nucleotide following is NOT	c) genome - gene - chromosome - nucleotide a blood grouping sy	d) chromosome - gene - nucleotide - genome stem?	genome - chromosome - gene - nucleotide d
-		0	6 ·F8 °J		

	a) Duffy	b) MN	c) Rh	d) PTC	РТС
69		uman growth is k	/	u)110	î
07			c) Ethology	d) Nosology	Auxology
70			eristics between mal		
/0	the same spec	ies is also term as			b
	a) Polymorphis m	b) Sexual dimorphism	c) Sex difference	d) Sexual polymrphism	Sexual dimorphism
71	Mendel's law offspring inde	d			
	a) Law of dominance	b) Law of progeny	c) Law of segregation	d) Law of independent assortment	Law of independent assortment
72	What measure	s Earthquake?			d
	a) Haemometer	b) Barometer	c) Odometer	d) Seismometer	Seismometer
73	-	enous Faith Day (а
	a) First December	b) Tenth December	c) Twenty-fifth December	d) First November	First December
74	Complete set	of genetic informa	tion for an organism	n is called	d
	a) Chromosom e	b) Gene	c) Genetic load	d) Genome	Genome
75	-	enetically closest	0		с
10	a) Gibbons	b) Gorillas	c) Chimpanzees	d) Orangutans	Chimpanzees
76	/	is known as Plane		/ 0	b
	a) Oligocene		c) Pliocene	d) Pleistocene	Miocene
77	Colour blindn	/			b
	a) X linked dominant trait	b) X linked recessive trait	c) autosomal dominant trait	d) autosomal recessive trait	X linked recessive trait
78	The totality of	f deleterious allele	s in a population is l	known as	с
	a) genetic equilibrium	b) genetic mortality	c) genetic load	d) genome	genetic load
79	1	ges in gene freque	ncy in a population	is called	b
	a) founder effect	b) genetic drift	c) gene flow	d) genetic bottleneck	genetic drift
80	Which of the	following is not co	orrectly matched?		d
	a) founder effect -		c) speciation - macroevolution	d) mutation - gene flow	mutation - gene flow
	genetic drift	selection		0	0
81	genetic drift	selection 10 acids mean -			b
	genetic drift Essential amir a) amino acids which are required for protein synthesis	b) amino acids which cannot be synthesis by the body	c) amino acids which are present in every enzyme	d) amino acids which are synthesis in the body	
81	genetic drift Essential amir a) amino acids which are required for protein synthesis	b) amino acids which cannot be synthesis by the body	c) amino acids which are present	d) amino acids which are synthesis in the body	b amino acids which cannot be synthesis

83	Which of the	following is correc	ctly matched?		b
	a) blood			1)	
	group -	b) segregation -	c) mitosis - cell	d) trisomy -	segregation -
	polymorphis	independent	devision	chromosomal	independent
	m	assortment		abberration	assortment
84	The total num	ber of permanent	teeth in human is		d
	a) 28	b) 30	c) 34	d) 32	32
85	Age- related d	leterioration proce	ss is known as		d
		b) Maturation	c) Spurt	d) Senescence	Senescence
86	Which of the	following bone lie	s horizontally in our	r body?	a
	a) clavicle	b) sternum	c) fibula	d) tibia	clavicle
87	Which of the	following is NOT	a flat bone?	•	d
	a) scapula	b) parietal	c) temporal	d) phalanges	phalanges
88	Which of the	following is NOT	a part of vertebral c	olumn?	a
	a) ischium	b) thoracic	c) lumber	d) cervical	ischium
89		another name for			
					b
	a) white cell	b) red cell	c) platelet	d) plasma	red cell
90	Chromosomes	are found in	1	1	a
	a) nucleus	b) cytoplasm	c) mitochondria	d) all of the	nucleus
	,	, , , ,	,	above	nucleus
91			nino acids are there?		а
	a) 20	b) 24	c) 46	d) 100-200	20
92	Phenotype ref		1		b
	a) genetic	b) actual	c) recessive	d) dominant	actual physical
	makeup	physical	alleles	alleles	appearance
	1	appearance			
93	Which of the f		e is the building blo	ock of proteins	b
	a) DNA	b) Amino Acids	c) Polypeptide	d) RNA	Amino Acids
94	Recombination	n of DNA occur d	uring		а
	a) meiosis	b) mitosis	c) both the above	d) None of the above	meiosis
95	Diagram used	d in the study of	of human genetics	that shows the	1.
	transmission c	of a genetic trait ov	ver generations of a	family is called	b
	a) Family	b) Pedigree	c) Genealogy	d) Phytology	Pedigree
0.6	tree	, <u> </u>	,		-
96			in a night vision app		C L C 1
	a) Radio	b) Microwaves	c) Infra-red	d) None of the	Infra-red
07	waves		waves	above	waves
97		following is used	*	1) C1. 1	C C c c c
0.0	a) Silicon	b) Phosphorous		d) Charcoal	Graphite
98			minimum when it is		d TI c
	a) The North	b) The South	c) The Equator	d) The center of	The center of
0.0	Pole	Pole		the Earth	the Earth
99	Air pollution l between -	level is considered	l to be moderate if A	Ar Quality index	d
	a) 0 to 50	b) 51 to 100	c) 101 to 150	d) 151 to 200	151 to 200
10	The first India	n communication	satellite was		-
0					a

	a) Apple	b) Aryabhatta	c) Bhaskara-I	d) Chandrayaan-I	Apple
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