Test Booklet No This booklet consists of 100 questions and 11 printed pages.		
RGUCET/2024//_	Series	NIL

RGUCET 2024

Common Entrance Test, 2024 MASTER OF SCIENCE (STRENGTH TRAINING AND CONDITIONING)

Full Marks: 100					Time: 2 Hours		
Roll No.						1	
Day and Day	ate of	Exan	ninatio	n: _		 」 —	
Signature of	of Inv	igilato	or(s) _		 		
Signature of	of Car	ndidat	e				
General In	struci	tions:					

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 Indian cr	ricketer has the ni	ckname "Master Bl	aster"?	ь
	a) Rahul	b) Sachin	c) Virat Kohli	d) MS Dhoni	Sachin
	Dravid	Tendulkar			Tendulkar
2	Who is known a	s the "Flying Sik	h" of India?		С
	a) Sachin	b) Kapil Dev	c) Milkha Singh	d) Dhyan	Milkha Singh
	Tendulkar	, 1		Chand	
3	Which of the fol	llowing is not a fi	unction of the huma	n skin?	d
	a) Protection	b) Regulation		d) Blood	Blood
		of body		circulation	circulation
		temperature			
4	Which of the fo	llowing rights wa	s described by BR	Ambedkar as the	С
		f the Constitution			
	a)Right to	b)Right to	c)Right to	d)Right to	Right to
	equality	property	constitutional	education	constitutional
			remedies		remedies
5	The first woman	to climb mount	Everest was	<u> </u>	c
	a)Marie Jose		c)Junko Tabei	d) Jackie	Junko Tabei
	perec	Griffith Joyner	,	Joyner Kersee	_
6	Choose the odd	•			d
	a) Earth	b) Mercury	c) Venus	d) Moon	Moon
7	/	,	substituted for 'Wo	/	d
,	meaning but sin				
	a) Synonym	b) Acronym	c) Antonym	d) Homonym	Homonym
8		e the music' mean		<u>, , ,</u>	b
		b) be punished	c) For a short	d) for a long	be punished
	loss	-) F	time	time	F
9	Cow: Mammal:	:Housefly: ?			d
	a) Reptile	b) Herbivore	c) Carnivore	d) Insect	Insect
	, 1	,		,	
10	Choose the mos	t appropriate phra	ase to complete the	sentence.	ь
			room before the tea		
	a) leave	b) to leave	c) left	d)leaving	to leave
11			le with length 6 cm		С
	a) 10	b) 12	c) 16	d) 24	16
12	,	llowing is a ration	nal number?		С
	a)π	$b)\sqrt{2}$	c)1/3	d) e	1/3
13	/	/	lue of 17(?)18 will	/	ь
	a) 200	b) 300	c) 400	d) 250	300
14	/	/	40, 27, 27, What	/	
	come next?	.,,,	, , , , , 		ь
	a) 12	b) 14	c) 27	d) 34	14
15	/	/	d Anthony is 80 Yea	,	
		es three years ago			a
	a) 71 years	b) 72 years	c) 74 years	d) 77 years	71 years
16	, ,		nounced recently, is		a
	which event?	,	,		
	a) Paris 2024	b)Los Angeles	c)2026 Winter	d)2030 Winter	Paris 2024
	Olympics	2028	Olympics	Olympics	Olympics
		Olympics	J 1		
17	Which country l		Vorld Cup 2022'?	<u> </u>	ь
	a) India	b) Qatar	c) Australia	d) Argentina	Qatar
	1 /	. , ~	. /	. , .	

18	Which company Men's World Cu	b			
	a) Byju's	b)Tata Steel	c)Reliance Industries	d) Jio	Tata Steel
19	What is the then	ne of Internationa	l Day of Yoga (IDY	7) 2024?	d
	a) Yoga for Heart	b)Yoga and Science	c) Yoga for Humanity	d) Yoga for self and society	Yoga for self and society
20	rights report?		as released its firs	t annual human	b
	a)Twitter	b) Meta	c)LinkedIn	d)Snapchat	Meta
21		on, memory, and	ses on the study of r problem-solving?	-	ь
	a) Behavioral psychology	b) Cognitive psychology	c) Psychoanalytic psychology	d) Humanistic psychology	Cognitive psychology
22	What term desc directs it toward		l state that activate	es behavior and	a
	a) Motivation	b) Emotion	c) Personality	d) Intelligence	Motivation
23	Which of the foldands A. Learning B. Emotion	5	processes involve 1	nemory?	d
	C. Intelliger D. Cognition		c) Only C and D	d) Only A and	
	В	C	•	d) Only A and D	Only A and D
24	A: What is the p B: Quality contrand regulations In the light of the options give	rimary purpose of the color of	f quality control in f od products meet sp umer safety and sat nts. choose the corr	Food production? Description standards is faction. The ect answer from	a
	a) Both the assertion and justification are true, and the justification explains the assertion	assertion and justification are true, but the justification	c) The assertion is true, but the justification is false	d) The assertion is false	Both the assertion and justification are true, and the justification explains the assertion
25	A. Carboh B. Protein	ydrates	i. Regulation processes and function ii. Storage of insulation	immune	c

	C. Fats		iii. Providing en	ergy to the	
			body		
	D. Vitamins		iv. Building and re	pairing body	
			tissues		
	a) A-iii, B-ii,	b) A-ii, B-i, C-	c) A-iii, B-iv, C-	d) A-ii, B-iii,	A-iii, B-iv, C-
	C-i, D-iv	iii, D-iv	ii, D-i	C-i, D-iv	ii, D-i
26	Which of the fol	llowing is NOT a	mood disorder?		c
	a) Unipolar	b) Bipolar	c) Schizophrenia	d) Depression	Sahizanhrania
	disorder	disorder			Schizophrenia
27	Which of the fol	llowing are symp	toms of schizophrer	nia?	
	A. Hallucination				ь
	B. Mood swings	3			
	C. Delusions				
	D. Excessive wo		T	T 40 = = = = = 4	
		~	c) Only A and B	d) None of the	Only A and C
	D	<u>C</u>		above	y
28		learning occurs	through the observ	vation of others'	d
	behavior?	1.) (1. 1.	т ' 1 ,	1) 0 1	
	a) Operant	· ·	c) Insight	/	Social
20	conditioning	conditioning	learning	learning	learning
29		following is a c	characteristic prope	rty of a vector	ь
	quantity?	1.) It has hath	a) It	1)14 1	T4 10 0 0 10 0 410
	a) It has only	/	/	/	It has both
	magnitude	magnitude and direction	constant in motion	measured in kilograms	magnitude and direction
30	Which personal		the degree to which		and direction
30	to new experien		ne degree to which	a person is open	d
	a)	b) Neuroticism	c) Agreeableness	d) Openness	Onannaga
	Extraversion				Openness
31	Which of the fol	llowing is NOT a	symptom of depres	sion?	b
	a) Persistent	b) Increased	c) Loss of	d) Feelings of	Increased
	sadness	energy levels	interest in	worthlessness	energy levels
			activities		
32			s has both magnitud		ь
	a) Scalar	b) Vector	c) Distance	d) Speed	Vector
33			nptoms of unipolar	disorder (major	
	depressive disor	der)?			
		1			
	A. Persistent sac				С
	B. Loss of interes				
	C. Feelings of w				
	D. Increased end		a) Oul A - 1 D	4) Mana Cat	
	a) Only A and	b) Only A and	c) Only A and B	d) None of the	Only A and B
34	D Given below are	two statements:	one is labelled as A	above	
34		e two statements: lled as B: Justifi		. Assertion and	
	the other is labe.	ncu as d. Jusuil i	Cativii		
	A: The moment	of inertia depend	s solely on the shap	e of the object	d
	73. THE INCIDENT	or merna depend	s solery on the shap	e of the object.	"
	B: The moment	of inertia denend	s on the distribution	of mass relative	
	to the axis of rot	-	on and distribution		
L	1 .5 4 01 10				ı

	In the light of the								
	_		nts. choose the corr	ect allswer from					
	the options give		\ m	1) 771					
	a) Both the	b) Both the	c) The assertion	d) The					
	assertion and	assertion and	is true, but the	assertion is					
	justification	justification	justification is	false					
	are true, and	are true, but	false		The assertion				
	the	the			is false				
	justification	justification			15 14150				
	explains the	does not							
	assertion	explain the							
		assertion							
35	Which of the fol	lowing represents	s an example of elas	tic deformation?	С				
	a) Bouncing of	b) Dropping a	c) Stretching a	d) Swinging of	Stretching a				
	a basketball	feather	rubber band	a pendulum	rubber band				
36	Which of the fo	llowing is a vecto	r quantity?		d				
	a)	b) Distance	c) Speed	d)	D: 1				
	Temperature	,	, 1	Displacement	Displacement				
37		processes are inv	olved in problem-sc	1					
,	A. Learning	Processes with inv	or, co in proorein so						
	B. Emotion				d				
	C. Intelligence				ű				
	D. Cognition								
	a) Only A and	b) Only A and	c) Only A and B	d) None of the	None of the				
	D Only A and	C C	c) Only A and B	above	above				
38		ribas tha product	of an object's mass :		b				
36				•	_				
20	a) Force	b) Momentum	c) Work	d) Energy	Momentum				
39	What is the SI u	1) M.	1) 17.1	a				
	a) Newton (N)	b) Joule (J)	c) Meter per	d) Kilogram					
			second squared	(kg)	Newton (N)				
40	XXII: 1 C.1 C.1	11	$\frac{(m/s^2)}{s}$						
40		llowing is a unit of		1) ***	C				
	a) Newton	b) Joule	c) Kilogram	d) Watt	Kilogram				
			meter per second		meter per				
					second				
41			hange of displacement		b				
	a) Force	b) Velocity	c) Acceleration	d) Work	Velocity				
42			ts about projectile m		a				
	a) Horizontal	b) Vertical	c) The	d) Gravity	Horizontal				
	velocity	velocity	projectile's	does not affect	velocity				
	remains	remains	velocity is	projectile	remains				
	constant	constant	constant	motion	constant				
43	Scalars and vect	tors are differentia	ated based on:						
	A. Whether they	have direction o	nly		d				
	B. Whether they	have magnitude	only		u				
	C. Whether they	have both magn	itude and direction						
		are stationary or							
	-			d) Only C	0.1.0				
	B	Ď	,	, , ,	Only C				
44		two statements:	one is labelled as A	: Assertion and	1				
1 1					d				
	the other is labe	ned as B: Justin e	cation	the other is labelled as B: Justification					

	A: The potential				
	B: Potential ene object relative to				
	In the light of the options give		nts. choose the corr	ect answer from	
	a) Both the assertion and justification are true, and the justification explains the assertion	assertion and justification are true, but the justification does not explain the assertion	is true, but the justification is false	d) The assertion is false	The assertion is false
45	What type of en	ergy is stored in a	compressed spring	?	a
	a) Potential	b) Kinetic	c) Thermal	d) Chemical	Potential
	energy	energy	energy	energy	energy
46		ribes the energy s	tored in an object d		a
	a) Potential	b) Kinetic	c) Mechanical	d) Thermal	Potential
	energy	energy	energy	energy	energy
47		on, the centripetal			
	C. Opposite to to D. Tangential to	r to the direction he direction of me the circular path	otion		ь
	a) Only A and B	b) Only C and D	c) Only B	d) Only C	Only B
48		ollowing principle mains constant o	es states that the tover time?	otal energy in a	c
	a) Law of	b) Law of	c) Law of	d) Law of	Law of
	inertia	conservation	conservation of	universal	conservation
		of momentum	energy	gravitation	of energy
49			possess kinetic ener		c
	rubber band	book on a table	c) A moving car	d) A ball at the top of a hill	A moving car
50	What property of after being deform		ws it to return to it	s original shape	a
	a) Elasticity	b) Plasticity	c) Ductility	d) Brittleness	Elasticity
51				tional equivalent	
	Which of the following of linear momen		represents the rotar	201111	c
	of linear momer a) Angular		c) Angular	d) Moment of	Angular
	of linear momer a) Angular velocity	b) Torque	c) Angular momentum	d) Moment of inertia	
52	of linear momer a) Angular velocity What term desorrotational motion	b) Torque cribes the resistan?	c) Angular momentum nce of an object to	d) Moment of inertia changes in its	Angular momentum c
	of linear momer a) Angular velocity What term descriptions	b) Torque cribes the resistan? b) Angular	c) Angular momentum nce of an object to	d) Moment of inertia changes in its	Angular momentum c Moment of
	of linear momer a) Angular velocity What term desorotational motio a) Torque	b) Torque cribes the resistan?	c) Angular momentum nce of an object to c) Moment of inertia	d) Moment of inertia changes in its	Angular momentum c

	A Engravage						
		ot be created or do	csuoyeu				
	B. Energy can only be created C. Energy can only be destroyed						
		t conserved in nat	lire				
		b) Only C	c) Only A and B	d) Only C and			
	a) Only A	b) Only C	c) Only A and B	D Only C and	Only A		
54	Given below are	two statements:	one is labelled as A				
34		lled as B: Justifi		. Assertion and			
	the other is lace	nea as D. Justin	cation				
	Δ· The conser	vation of energy	principle applies	only to closed			
	systems.	vacion of energy	principle applies	omy to closed			
	systems.				a		
	B. The conserva	ntion of energy pr	inciple states that th	e total energy of	a a		
		em remains consta	•	e total energy of			
	an isolated system						
	In the light of the	ne above stateme	nts. choose the corr	ect answer from			
	the options give						
	a) Both the		c) The assertion	d) The	D 41 41		
	assertion and	/	is true, but the	/	Both the		
	justification	justification	justification is	false	assertion and		
	are true, and		•		justification		
	the	the			are true, and		
	justification	justification			the		
	explains the	does not			justification		
	assertion	explain the			explains the		
		assertion			assertion		
55			s an example of circ		ь		
	a) A ball in the	,	c) A moving car	d) A falling	A rotating		
	air	ceiling fan		apple	ceiling fan		
56		following nutrien	ts is the body's pri	imary source of	c		
	energy?	Γ	Γ	T			
	a) Protein	b) Fat	c) Carbohydrate	d) Vitamin	Carbohydrate		
57	Which of the fo	llowing statement	ts about force is true	e?:			
		.•.					
	A. It is a scalar	-			d		
	_	=	ove in a straight line	:			
	C. It is measured	_					
	D. It is a vector		a) C 1 D	4) O.:1 D '			
	a) All are true	b) B, C and D	c) C and D are	d) Only D is	Only D is true		
50	What is the mai	are true	true	true			
58			kidneys in the body		С		
	a) Digestion	b) Regulation of blood	c) Filtration of blood	d) Production of insulin	Filtration of		
		pressure	01000	or msulfi	blood		
59	Which of the fo	c					
33	a) Force	b) Velocity	c) Mass	d)	C		
	a) Force	o velocity	C) 1V1033	Acceleration	Mass		
60	What is the num	ose of personal h	l nygiene for food har		b		
00	a) To enhance	b) To prevent	c) To reduce	d) To increase	To prevent		
	taste	food	cooking time	shelf life	food		
	lasic	contamination	COOKING UING	SHOII IIIC	contamination		
		Comamination			Comammanon		

61	What is the te appearance or to	c			
	a) Nutrient	b) Preservative	c) Additive	d) Antioxidant	Additive
62	/	,	is caused by a defic	/	
	B12?	C	J	,	d
	a) Rickets	b) Scurvy	c) Beriberi	d) Pernicious	Pernicious
				anemia	anemia
63	Elasticity is the	property of a mat	erial to:		
	A. Attract other	•			ь
		nation under stres	SS		
	C. Increase its v				
	D. Decrease its	b) Only B	c) Only A and B	d) Only C and	
	a) Only A	b) Only B	c) Only A and B	D Only C and	Only B
64	Given below are	e two statements:	one is labelled as A	: Assertion and	
	the other is labe	lled as B: Justific	cation		
	A: In projectile	motion, the path	followed by an ob	ject is a straight	
	line.				
					d
	_		the simultaneous		
	horizontal and v	ertical directions	under the influence	of gravity.	
	In the light of the	a alagra statama	nta alaasa tlaa aa	aat amaxxam fuama	
	In the light of the options give				
	a) Both the		c) The assertion	d) The	
	assertion and	/	is true, but the	,	
	justification	justification	justification is	false	
	are true, and	are true, but	false	14150	
	the	the	1415		The assertion
	justification	justification			is false
	explains the	does not			
	assertion	explain the			
		assertion			
65	When a car is pa	arked at the top of	a hill, which form	of energy does it	
	possess?				a
	a) Potential	b) Kinetic	c) Mechanical	d) Elastic	Potential
	energy	energy	energy	energy	energy
66			source of dietary fil		d
	a) Milk and	/	c) Flesh foods	d) Fruits and	Fruits and
	milk products	millets	and eggs	vegetables	vegetables
67	The moment of	inertia of an obje	ct depends on its:		
	A M				
	A. Mass and sha				a
	B. Density and				
	C. Length and w D. Temperature				
	a) Only A	b) Only B	c) Only A and B	d) Only C and	
	a) Only A	o) Only B	c) Only A and B	D Only C and	Only A
68	Which of the fo	llowing is a symn	tom of lactose intol	_	a
		5 " = J ···· P			

	a) Diarrhea after consuming dairy products	b) Excessive thirst	c) Brittle nails	d) Hair loss	Diarrhea after consuming dairy products
69	What type of mo	otion is exhibited	by a spinning table	tennis ball?	С
	a) Linear motion	b) Circular motion	c) Rotational motion	d) Vibrational motion	Rotational motion
70		m for a condition extended period	n caused by insuff?	ficient intake of	a
	a) Malnutrition	b) Over nutrition	c) Obesity	d) Scurvy	Malnutrition
71	Statements:				
	B. Ribosomes and C. All bacteria a	re harmful to hun	producing energy i		a
	a) True, False, False, False	b) True, True, False, False	c) False, False, True, True	d) True, False, True, False	True, False, False, False
72	A: The human b B: Shivering is attempt to mai conditions. In the light of the options give	lled as B: Justific ody shivers in co an involuntary ntain its core te	ld weather to generate response triggered emperature when entry the corrections of the correction of t	ate heat. I by the body's exposed to cold ect answer from	a
	a) Both Assertion and Reasoning are true, and Reasoning is the correct explanation of the Assertion.	b) Both Assertion and Reasoning are true, but Reasoning is not the correct explanation of the Assertion.	c) Assertion is true, but Reasoning is false.	d) Assertion is false, but Reasoning is true.	Both Assertion and Reasoning are true, and Reasoning is the correct explanation of the Assertion.
73	Statements: A. The human b B. The large in carbohydrates. C. The small int D. The human s	d			
	a) True, False, False, False	b) True, True, False, False	c) False, False, True, True	d) True, False, True, True	True, False, True, True
74	What is impossi	ble to change who	en a body is in the a	ir-	b
	a)Movement of the body	b)Mass of the body	c)Shape of the body	d)Position of the body	Mass of the body

75	Success in long	jump extremely r	relies on-		ь
	a)Stride	b)speed	c)Leg strength	d)Muscle	speed
	frequency			power	
76	Planter flexion 1	novement only or	ccur in-		d
	a)Thumb	b)Elbows	c)Knee	d)Ankle	ankle
77	Endo skeleton in				С
	a)Bones only	b)Covering of skin, hair and	c)Bones and cartilages	d)None of the above	Bones and cartilages
		nails	carmages	above	carmages
78		t more strongly in			d
	a)Flexion	b)Extension	c)Alert	d)Stretch	stretch
79	Diving in kho-k with-a	tho need massive	amount of timing	and speed along	a
	a)Accuracy	b)Balance	c)Muscle tone	d)Movement	accuracy
80	'Zygomatic' boı	ne is present in			d
	a)Upper	b)Lower	c) Vertebral	d)Skull	Skull
	extremities	extremities	column		
81	What kind of sk	ills does javelin t	hrow require-		ь
	a)Throwing	b)Projecting	c)Propelling	d)Lifting	Projecting
82	Pulls a part towa	ard the midline of	f the body is-		d
	a)Flexion	b)Extension	c)Abduction	d)Adduction	adduction
83	Bending of head	d towards right or	left side of the show	ılder is	c
	a) Extension	b) flexion	c) Lateral flexion	d) Lateral	Lateral
				extension	flexion
84	Synovial joints	are			Ъ
	a) Slightly	b) Freely	c) Both (a) and	d) None of the	Freely
	movable	movable	(b)	above	movable
85	Study of joints i	s called			d
	a) Kinesiology	b) Biology	c)Anthropometry	d) Arthrology	Arthrology
86	'Hunch back' is				d
	a) Back pain	b) scoliosis	c) lordosis	d) kyphosis	Kyphosis
87	Largest bone in	the human body i	is		a
	a) Femur	b) hummers	c) Tibia	d) fibula	Femur
88	Which of the fo	llowing is a joint	of reciprocal innerv	ations?	Ъ
	a) Pivot joint	b) Saddle joint	c) Condyloid	d) Hinge joint	Saddle joint
	, ,	, , , , , , , , , , , , , , , , , , ,	joint	, , ,	,
89	Imaginary line	bassing laterally f	rom one side to other	er is called	С
	a) Sagittal axis	b) sagittal plane	c) vertical axis	d) lateral axis	vertical axis
90		uscles is capable	of resisting fatigue i	n a long	a
	duration activity		-\D-1; 11	1)D - (1 (1) 1	C1 (', 1
	a) Slow-twitch	b)Fast Twitch	c)Deltoid	d)Both (b) and (c)	Slow-twitch
91	Pedograph is us				b
	a)Hunch back	b)Flat foot	c)Knock knees	d)Bow legs	Flat foot
92	What is the nam	1	to measure force?		b
	a) Joule	b) Newton	c) Watt	d) Kilogram	Newton
93		n used to describe	the change in posit	ion of an object	b
	over time?				

	a) Distance	b)	c)Velocity	d)Acceleration	Displacement
		Displacement			
94	A dynamometer	measures			С
	a)Velocity	b)Acceleration	c)Force	d)Pressure	Force
95	On 'SET' comm	nand the sprinter i	s in		b
	a)Stable	b)Unstable	c)Neutral	d)None of the	Unstable
	equilibrium	equilibrium	equilibrium	above	equilibrium
96	Which among th	ne following is an	example of Law of	f Inertia	d
	a)Starting in	b)Starting in	c)Starting in	d)All of the	All of the
	throwing the	sprinting	rowing	above	above
	hammer				
97	'Lumbar' verteb				c
	a) 6 in number	b) 7 in number	c) 5 in number	d) 4 in number	5 in number
98	The specific fun	ection of tarsal bo	ne is		Ъ
	a) Protection	b) Gives	c) Act as lever	d) None of the	Gives
		strength		above	strength
99	What is the prin biomechanics?	nary purpose of a	kinetic chain in spo	orts	a
	a) To optimize	b) To reduce	c) To increase	d) To enhance	To optimize
	force	the impact	the range of	the body's	force
	generation by	force on joints	motion in	metabolic	generation by
	coordinating	during landing	athletic	response to	coordinating
	body segment		movements	exercise	body segment
	movements				movements
100		nula for calculating	<u>, c</u>	<u>, </u>	a
	a) Force =	b) Force =	c) Force =	d) Force =	Force = mass
	mass ×	mass ÷	acceleration ÷	mass +	× acceleration
	acceleration	acceleration	mass	acceleration	