

RGUCET 2022
MSc in Sports Physiology

1	I _____ when I was studying in the college.					
	a) had played	b) used to play	c) have played	d) have playing	b	used to play
2	The train _____ when we reached the station.					
	a) left	b) has left	c) had left	d. gone		
3	Antonym to 'Inevitable'-					
	a)Uncertain	b)Unnecessary	c) Inseparable	d) Avoidable	d	Avoidable
4	Antonym to 'Urban'-					
	a) Rustic	b) Civil	c) Foreign	d) Rural	d	Rural
5	Give one word substitute for Difficult or impossible to read:					
	a) Illogical	b) Illegible	c) Ineligible	d) Legible	d	Legible
6	Choose the mis-spelt one among the following.					
	a) Renaissance	b) Revelation	c) Refrendum	d) Reverence	c	Referendum
7	Substitute the phrase with one word: <i>Arrangements of events according to dates or times of occurrence</i>					
	a) Ecology	b) Etymology	c) Chronology	d) Cytology	c	Chronology
8	Complete the sentence; She seems cursed _____ bad luck.					
	a) by	b) with	c) for	d) on	b	with
9	Complete the sentence; I complimented him _____ his success.					
	a) about	b) for	c) on	d) at	c	on
10	Antonym to 'Dearth'-					
	a) abundace	b) living	c) breadth	smarthness	a	abundance
11	Who won IBS Women's World Boxing Championships 2022?					
	a) Mary Kom	b) Nikhat Zareen	c) Lovlina Borgohain	d) Poonam Khatri	B	Nikhat Zareen
12	Who has won the women's singles title at Swiss Open 2022?					
	a) PV Sindhu	b) Sania Mirza	c) Saina Nehwal	d) Mary Kom	A	PV Sindhu
13	Which player has won the BBC Indian Sportswoman of the Year award for 2022?					
	a) Lovlina Borgohain	b) Mirabai Chanu	c) Aditi Ashok	d) Avani Lekhara	B	Mirabai Chanu
14	Which player has been felicitated with the Sport star of the Year (Male) award at the 2022 Sport star Aces Awards?					

	a) Sunil Chhetri	b) Virat Kohli	c) Neeraj Chopra	d) Bajrang Punia	C	Neeraj Chopra
15	Who are the winners of the Italian Open 2022?					
	a) Rafael Nadal	b) Nikola Mektić	c) Novak Djokovic	d) Carlos Alcaraz	A	Rafael Nadal
16	Which country has scheduled to host Asian Games 2022?					
	a) South Korea	b) Japan	c) China	d) India	C	China
17	Which medal has PV Sindhu won in the recent Asian Badminton Championships?					
	a) Bronze	b) Gold & Bronze	c) Silver	d) Gold	A	Bronze
18	Which nation has refused to send its athletes to Asian Games?					
	a) Japan	b) North Korea	c) South Korea	d) Australia	D	Australia
19	Who state has won Santosh Trophy 2022?					
	a) Manipur	b) West Bengal	c) Kerala	d) Punjab	C	Kerala
20	Which team has won the 3rd edition of the SAFF U-18 Women's Football Championship?					
	a) South Korea	b) India	c) Bangladesh	d) Malaysia	B	India
21	In the following letter series, what is the next term? ACF, EGI, IKN, OQT, ____.					
	a) SUY	b) UVY	c) RWZ	d) UWZ	D	UWZ
22	Which sentence cannot fit into the AEIO framework?					
	a) No salt has iodine	b) All salt has iodine	c) The salt on the table has iodine	d) Some salt has iodine	C	The salt on the table has iodine
23	If two propositions cannot both be false but may both be true, what is the relation between the two propositions?					
	a) Contrary	b) Sub-contrary	c) Subalternation	d) Contradictory	B	Sub-contrary
24	Which of the following cannot be true together, but can be false together? i) All poets are dreamers ii) No poets are dreamers iii) Some poets are dreamers iv) Some poets are not dreamers Codes:					
	a) i) and ii)	b) iii) and iv)	c) ii) and iv)	d) i) and iv)	A	i) and ii)
25	In the series C, E, I, K, O, Q, __ What will come after P?					
	a) U	b) S	c) R	d) T	A	U

26	Which of the following system regulates processes such as growth, reproduction, and nutrient use?					
	a) Cardiovascular system	b) Endocrine system	c) Nervous system	d) Respiratory system	b	Endocrine system
27	Which of the following type of cartilage is present at the joints of long bones in humans?					
	a) Fibrous	b) Hyaline	c) Elastic	d) Calcified	a	Hyaline
28	Which of the following is the largest gland in human body?					
	a) Thymus	b) Kidneys	c) Liver	d) Pancreases	c	Liver
29	Which of the following is the inner most layer of human eye?					
	a) Retina	b) Choroid	c) Sclera	d) Cornea	a	Retina
30	Which of the following control breathing rate in humans?					
	a) Cerebellum	b) Hypothalamus	c) Thalamus	d) Medulla oblongata	d	Medulla oblongata
31	Which of the following is not the function of WBC?					
	a) They fight against bacteria	b) They guard against infection	c) They carry oxygen	d) They attack pathogens	c	They carry oxygen
32	The antigens for ABO and Rh blood groups are present on _____					
	a) plasma	b) white blood cells	c) red blood cells	d) platelets	c	red blood cells
33	Which of the following blood group is referred as a universal recipient?					
	a) A	b) B	c) AB	d) O	c	AB
34	How many bones are present in appendicular skeleton of human body.					
	a) 125	b) 126	c) 270	d) 206	b	126
35	What is the name of the smallest muscles in human body?					
	a) Soleus	b) Stapedius	c) Gluteus Maximus	d) Sartorius	b	Stapedius
36	Which of the following is a form of RNA that carries amino acids to the ribosome during protein synthesis?					
	a) mRNA	b) tRNA	c) rRNA	d) Genes	b	tRNA
37	Which of the following is not the name of muscle of human body?					
	a) Biceps brachii	b) Gastrocnemius	c) Rectus Femoris	d) Tibia	d	Tibia
38	Proteins are made up of _____, joined together in a chain?					
	a) Carbohydrates	b) Starch	c) Genes	d) Amino acids	d	Amino acids
39	The study of large body structures is called?					
	a) Gross anatomy	b) Regional anatomy	c) Systemic anatomy	d) Surface anatomy	a	Gross anatomy
40	The system which protects and supports body organs is called?					

	a) Immune system	b) Skeletal system	c) Nervous system	d) Integumentary system	b	Skeletal System
41	If the blood group of an individual is A then the antibody present is _____ .					
	a) Anti B antibodies	b) Anti A antibodies	c) Anti O antibodies	d) Anti OA antibodies	a	Anti B antibodies
42	Which blood type can be transfused to the individual whose blood type is unknown?					
	a) AB positive	b) AB negative	c) O positive	d) O negative	d	O negative
43	Cardiac output is determined by _____ .					
	a) heart rate	b) stroke volume	c) blood flow	d) heart rate and stroke volume	d	heart rate and stroke volume
44	The P wave of the ECG represents _____ .					
	a) ventricular depolarization	b) atrial depolarization	c) ventricular repolarization	d) atrial systole	b	atrial depolarization
45	Which of the following is not true for ventricular systole?					
	a) The ventricles relax	b) The ventricles contract	c) The semi lunar valves close	d) The atrioventricular valves open	a	The ventricles relax
46	The sino-atrial node depolarizes more frequently under the influence of _____ .					
	a) medulla oblongata	b) vagus nerve	c) norepinephrine	d) acetylcholine	c	norepinephrine
47	The opening of right atrium into right ventricle is guarded by _____ .					
	a) mitral valve	b) tricuspid valve	c) bicuspid valve	d) aortic semilunar valve	b	tricuspid valve
48	The synovial joint are also known as _____.					
	a) Megablast	b) Periosteum	c) Diarthrosis	d) Arthrois	c	Diarthrosis
49	Which of the following disease is associated with joints?					
	a) Gout	b) Osteoporosis	c) Arthritis	d) Tetany	c	Arthritis
50	Which of the following bone is called collar bone?					
	a) Acetabulum	b) Pelvic	c) Scapula	d) Clavicle	d	Clavicle
51	How many pairs of the spinal nerve are found in human?					
	a) 12	b) 13	c) 31	d) 33	c	31
52	_____ response sympathetic nervous system.					
	a) Rest and restore	b) Fight or flight	c) Decrease respiratory rate	d) Increase respiratory rate	b	Fight or flight
53	What helps to see color?					
	a) Rods	b) Cons	c) Lens	d) Retina	b	Cons
54	Internal ear is filled with _____ .					
	a) Perilymph	b) Endolymph	c) Lymph	d) Mesolymph	b	Endolymph
55	Which part of the ear takes sound waves and turns them into vibrations?					
	a) Middle ear	b) Ear wall	c) Ear canal	d) Inner ear	a	Middle ear

56	The food that enters the intestine from stomach is called _____					
	a) Chyme	b) Fundus	c) Chyle	d) Bolus	a	Chyme
57	Small intestine is divided into _____ parts.					
	a) 3	b) 2	c) 1	d) 4	a	3
58	What does pancreas make?					
	a) Enzymes	b) Carbohydrates	c) Fats	d) Muscles	a	Enzymes
59	Which among the following is structural and functional unit of a kidney?					
	a) Nephron	b) Neuron	c) Urethra	d) Henle's loop	a	Nephron
60	pH of saliva is _____					
	a) 6	b) 6.8	c) 7.5	d) 9.6	b	6.8
61	The esophagus connects _____					
	a) Mouth to throat	b) Throat to stomach	c) Mouth to stomach	d) Stomach to large intestine	b	Throat to stomach
62	_____ delivers deoxygenated blood to the lungs.					
	a) Pulmonary vein	b) Aorta	c) Left ventricle	d) Pulmonary artery	d	Pulmonary artery
63	Endocrine gland thought to be involved in setting the biological clock and influencing the reproductive function of _____					
	a) Pituitary gland	b) Thymus gland	c) Adrenal gland	d) Pineal gland	d	Pineal gland
64	Which of these receptors detects stretching or lengthening of a muscle?					
	a) Nociceptors	b) Muscle spindle	c) Golgi tendon organ	d) Meissner's corpuscle	b	Muscle spindle
65	The spleen's sinuses are filled with _____					
	a) Blood	b) Lymph	c) Salts	d) Water	a	Blood
66	The length of the spleen is approximately _____					
	a) 12-14cm	b) 5-10cm	c) 20-25cm	d) 30-35cm	a	12-14cm
67	The hormone that controls the level of calcium and phosphorus in blood is secreted by _____.					
	a) Thyroid gland	b) Parathyroid gland	c) Pituitary gland	d) Thymus	b	Parathyroid gland
68	Which of the following is not involved in voluntary actions?					
	a) Motor neuron	b) Relay neuron	c) Sensory neuron	d) Synapse	c	Sensory neuron
69	The midbrain is also called as _____ .					
	a) Medulla	b) Diencephalon	c) Mesencephalon	d) Hypothalamus	c	Mesencephalon
70	Through carotid artery a person can measure					
	a) blood flow	b) sensitivity rate	c) pulse rate	d) none of the above	c	pulse rate
71	Humans have the most urgent need for a continuous supply of					
	a) Food	b) Nitrogen	c) Oxygen	d) Water	c	Oxygen

72	The Study of tissues is called as-					
	a) Histology	b) Anatomy and physiology	c) Cytology	d) Pathology	a	Histology
73	The tissue which is found in the abdomen and under the skin is called -					
	a) Nerve tissues	b) Skeletal tissues	c) Cardiac tissues	d) Adipose tissue	d	Adipose tissue
74	The jelly-like substance contained inside the cell is called as-					
	a) Cytoplasm	b) Ectoplasm	c) Nucleoplasm	d) None of the above	a	Cytoplasm
75	The largest cell of the human body is known as-					
	a) RBC	b) WBC	c) Egg Cell	d) Nerve Cell	c	Egg Cell
76	Which parts of the skin is often called true skin					
	a) Dermis	b) Epidermis	c) Stratum corneum	d) Stratum spinosum	a	Dermis
77	The capacity of muscles to absorb and consume oxygen is called?					
	a) Oxygen intake	b) Oxygen uptake	c) Oxygen gain	d) Oxygen transfer	b	Oxygen uptake
78	Smallest bone in the human body is					
	a) Malleus	b) Stapes	c) Incus	d) Hyoid Bone	b	Stapes
79	Which type of tissue is cartilage?					
	a) Muscular	b) Epithelial	c) Connective	a) Muscular	c	Connective
80	Anaemia is caused by a deficiency of what?					
	a) Plasma	b) WBC	c) RBC	d) Tears	c	RBC
81	What are the muscles in front of your thighs?					
	a) Hamstring	b) Abductor	c) Biceps	d) Quadriceps	d	Quadriceps
82	Which of this organ manufacture vitamin D?					
	a) Femur	b) Small intestine	c) Skin	d) Pancrease	c	Skin
83	The Fovea is part of which organ?					
	a) Kidney	b) Ear	c) Brain	d) Eye	d	Eye
84	Which part of the human eye is often referred to as the " eye colour"?					
	a) Iris	b) Pupil	c) Retina	d) Macula	a	Iris
85	What are the wrist bone collectively known as?					
	a) Phalagus	b) Ribs	c) Tarsals	d) Carpals	d	Carpals
86	Which of the following parts of the body is the only area without a blood supply?					
	a) Tongue	b) Cornea	c) Earlobes	d) Teeth	b	Cornea
87	What is the name of the biggest part of the human brain?					
	a) Cerebellum	b) Cerloisvio	c) Brainstem	d) Cerebrum	d	Cerebrum
88	Olfactory refers to which of the body senses?					
	a) Smell	b) Taste	c) Sight	d) Touch	a	Smell
89	During a hard physical workout or a powerful athletic event, the amount of force a muscle can					

	develop is proportionate to the:					
	a) Direction of its fibres.	b) Length of its fibres	c) Size of its cross section	d) Resilience of the muscle	d	Resilience of the muscle
90	In technical terms, contraction of a muscle cell is called as;					
	a) Twitch	b) Spasm	c) Surge	d) Trigger	a	Twitch
91	Name the part of the heart that thickens the most as a result of cardiac hypertrophy.					
	a) Septum	b) Arterial walls	c) Right ventricle	d) Left ventricle	d	Left ventricle
92	As a result of long term aerobic training , there would be substantial increase in the number of:					
	a) RBC	b) Lymphatic Cells	c) WBC	d) None of the above	a	RBC
93	Using the code given below,from out of the following, identify the conditions not associated with hypothermia. i. decreased central blood volume ii. increased peripheral resistance iii. lower lymph flow iv. increased blood viscosity v. higher heart rate Codes:					
	a) i and iv	b) iii and v	c) iv and v	d) ii and iii	a	i and iv
94	Using the code given below, set up the proper sequence of respiratory system. i. bronchi ii. bronchioles iii. larynx iv. pharynx v. alveoli of the lungs vi. nose/mouth vii. trachea Codes:					
	a) i, ii, iii, iv, v, vi, vii	b) vi, iv, iii, vii, i, ii, v	c) vi, iii, iv, i, vii, ii, v	d) v, ii, i, iv, iii, vii, vi	b	vi, iv, iii, vii, i, ii, v
95	Using the code given below, identify which of the sequence is truly systemic circulation pathways. i. aorta ii. left ventricle iii. left auricle iv. veins v. tissue vi. arteries vii. right atrium Codes:					
	a) vii, iii, ii, i, vi, v, iv	b) i, ii, iii, iv, v, vi, vii	c) iii, i, vi, v, iv, vii, ii	d) iii, ii, i, vi, v, iv, vii	d	iii, ii, i, vi, v, iv, vii

96	Using the codes given below, identify the special problem of women athletes. i. Osteoporosis ii. Matrimony iii. Menorrhagia iv. Amenorrhea Codes:				
	a) i and ii	b) ii and iii	c) iii and iv	d) i and iv	d i and iv
97	Using the codes given below, place the following air constituents in descending order on the basis of their percentage amount in the inhaled air. i. carbon dioxide ii. trace gases/ water vapour iii. oxygen iv. nitrogen Codes:				
	a) i, iii, ii, iv	b) ii, iii, i, vi	c) iv, iii, i, ii	d) iii, iv, ii, i	c iv, iii, i, ii
98	The normal heart beats which signals by SA node is between:				
	a) 100-120 bpm	b) 60-90 bpm	c) 60-100 bpm	d) 40-80 bpm	c 60-100 bpm
99	A slow pulse means a slow heart rate and a condition widely known as:				
	a) myocardia	b) bradycardia	c) tachycardia	d) endocardia	b bradycardia
100	The fast twitch muscle, which the sprinters are known to possess, is also known as				
	a) glycolytic muscle	b) type I fibers	c) red muscle	d) oxidative muscle	a glycolytic muscle