SCIENCE

TIME 1:00 HRS

(www.anindyas.in)

FULL MARKS 25

1.	he process by which green plants prepare their own food is:					
		B. Diges				
2	C. Photosynthesis	D. Trans	spiration			
2.	Photosynthesis requires: A. Oxygen, glucose, water	-	D. Carbon diavid	a water sunlight		
	C. Water, protein, nitrogen		D. Nitrogen, oxy	le, water, sunlight 🔽		
3.	Which is a heterotrophic o	ı vaaniem?	D. Millogell, oxy	gen, glucose		
٥.	A. Green plant B. Algae		C. Fungi 🔽	D. Cyanobacteria		
4.	Which organ secretes saliv			D. Cyunoouctenu		
			s 🗸 C. Liver	D. Pancreas		
5.	Salivary amylase breaks d					
	A. Protein B. Fat	C. Starc	h 🚺 💢 D. Vitan	nins		
6.	n humans, digestion of proteins begins in the:					
			C. Liver D. Smal	ll intestine		
7.	The part of alimentary can					
		l intestine				
0	C	D. Mout	in			
8.	Bile is produced by: A. Gallbladder B. Panci		C. Livor	D. Intestine		
9.	Bile helps in digestion of:	eas	C. Liver 🔽	D. Intestine		
٦.	A. Proteins B. Carbo	hydrates	C Fats V	D Vitamine		
10	Which part has villi for ab			D. Vitaliiliis		
10.			C. Small intestine	e 🗸		
	D. Large intestine					
11.	Translocation in plants is o	done by:				
	A. Xylem B. Phloe		C. Cambium	D. Parenchyma		
12.	Emulsification of fats is ca		•			
	A. Pancreas B. Liver		C. Gallbladder	D. Small intestine		
13.	In Amoeba, food is engulf		a 5			
1.4	A. Cilia B. Flage		C. Pseudopodia	D. Tentacles		
14.	Paramoecium uses which			D. El II.		
15	A. Tentacles B. Pseuc Which mode of nutrition is		C. Cilia 🗸	D. Flagella		
13.	A. Autotrophic B. Sapro			Insectivorous		
16	The site of complete diges		C. I diasitic	. mscenvorous		
10.		B. Mout	h			
			e intestine			
17.	Herbivores have a longer s					
	A. Absorb more fat		st cellulose 🔽			
	C. Store food	D. Secre				
18.	Which enzyme breaks pro					
	A. Amylase	B. Lipas				
10	C. Pepsin V	D. Tryps	sin			
19.	Pancreatic juice contains: A. Pepsin, bile	R Tryns	sin, lipase 🔽			
	C. Amylase only	D. Malta				
20.	Which organ stores bile?	D. Maiu	150			
	A. Liver	B. Pancr	reas			
	C. Gallbladder 🔽	D. Appe	endix			
21.	Starch turns blue-black wi					
	A. Benedict's solution	B. Iodin	e 🗸			
			ng's solution			
22.	Which element is required	_	-			
	A. Magnesium	B. Potas				
22	C. Nitrogen	D. Calci				
23.	The opening and closing o					
	A. Xylem C. Guard cells	B. Chlor D. Phloe	_			
24	Which molecule is the end					
47.	A. DNA B. RNA		C. ATP 🔽	D. ADP		
28.	Anaerobic respiration in ye					
	A. CO ₂ and water	_	nol and CO2 V			
	C. Lactic acid	D. Oxyg				
29.	Site of glycolysis is:					
	A. Nucleus	B. Mitoo				
	C. Cytoplasm 🗸	D. Ribos	somes			

30	Pyruvate is formed from:	
50.	A. Protein B. Fat	C. Glucose 🗸 D. Cellulose
31.	Lactic acid is formed in m	
		B. Carbon dioxide excess
	C. Protein digestion	D. Water loss
32.	Which produces more ener	
	A. Aerobic respiration 🗸	
	C. Fermentation	D. Photosynthesis
33.	In humans, respiration is:	
	A. Anaerobic	B. Fermentative
2.4	C. Aerobic 🗸	D. Gaseous
<i>3</i> 4.	The air sacs in lungs are: A. Bronchi	D. Trachana
	C. Alveoli 🗸	B. Tracheae D. Bronchioles
35	Oxygen is carried by:	D. Biolicinoles
55.	A. Plasma	B. White blood cells
	C. Haemoglobin 🔽	D. Platelets
36.	Carbon dioxide is mostly t	
	A. RBCs	B. Plasma 🗸
	C. WBCs	D. Haemoglobin
37.	Ringed air tube is called:	
	A. Bronchi	B. Oesophagus
	C. Trachea 🗸	D. Alveolus
38.	Fish breathe through:	D C'II -
	A. Lungs	B. Gills V
20	C. Skin	D. Mouth
<i>3</i> 9.	Air enters the lungs throug	
		B. Nostrils D. Pharynx
40	The function of mucus in t	· ·
10.	A. Break food	B. Remove germs and dust 🗸
	C. Absorb water	D. Help breathing
41.		cules produced by complete oxidation of one glucose is:
	A. 2 B. 18 C. 36 V	
42.	Which structure prevents of	collapse of the trachea?
	A. Mucus	B. Ribs
40	C. Cartilage rings 🗸	D. Bronchi
43.	Respiration is required to:	
	A. Produce protein	B. Absorb CO ₂ D. Synthesize vitamins
44	C. Release energy Anaerobic respiration occu	
77.	A. Human liver	
		B Miliscres alliting heavy work Ma
		B. Muscles during heavy work D. Mitochondria
45.	C. RBCs	D. Mitochondria
45.		D. Mitochondria
	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion	D. Mitochondria by: B. Endocytosis D. Osmosis
	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate	D. Mitochondria by: B. Endocytosis D. Osmosis increases when:
	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases
46.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases	D. Mitochondria by: B. Endocytosis D. Osmosis increases when:
46.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases Respiration in yeast is:	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops
46.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion ✓ In humans, breathing rate is A. CO₂ decreases C. O₂ increases Respiration in yeast is: A. Aerobic	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops B. Anaerobic
46. 47.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion ✓ In humans, breathing rate is A. CO₂ decreases C. O₂ increases Respiration in yeast is: A. Aerobic C. Facultative	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops
46. 47.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion ✓ In humans, breathing rate is A. CO₂ decreases C. O₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli?	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops B. Anaerobic D. Photosynthetic
46. 47.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate in A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart
46. 47. 49.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver
46. 47. 49.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of re-	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO₂ increases ✓ D. Body temperature drops B. Anaerobic ✓ D. Photosynthetic B. Heart D. Liver respiration?
46. 47. 49.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of re A. Krebs cycle	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO ₂ increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis
46.47.49.50.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of re A. Krebs cycle	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation
46.47.49.50.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of re A. Krebs cycle C. Electron transport	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation
46.47.49.50.51.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate is A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of real A. Krebs cycle C. Electron transport The main pumping organ is A. Lungs C. Heart	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney
46.47.49.50.51.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate in A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of real A. Krebs cycle C. Electron transport The main pumping organ in A. Lungs C. Heart The fluid part of blood is contact.	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called:
46.47.49.50.51.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs W Which is the first step of real of the companient of	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called: B. Lymph
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46.47.49.50.51.52.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of real of the companient of t	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called: B. Lymph D. Serum or oxygen transport:
46.47.49.50.51.52.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of real of the companient of t	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called: B. Lymph D. Serum or oxygen transport: B. Platelets
46.47.49.50.51.52.53.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO2 decreases C. O2 increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs W Which is the first step of real of the control of	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called: B. Lymph D. Serum or oxygen transport: B. Plasma
46.47.49.50.51.52.53.	C. RBCs Stomata exchange gases by A. Active transport C. Diffusion In humans, breathing rate of A. CO ₂ decreases C. O ₂ increases Respiration in yeast is: A. Aerobic C. Facultative Which organ has alveoli? A. Kidney C. Lungs Which is the first step of real of the companient of t	D. Mitochondria by: B. Endocytosis D. Osmosis increases when: B. CO2 increases D. Body temperature drops B. Anaerobic D. Photosynthetic B. Heart D. Liver respiration? B. Glycolysis D. Pyruvate oxidation in humans is: B. Brain D. Kidney called: B. Lymph D. Serum or oxygen transport: B. Plasma

55.	Which blood vessels carry		the heart?			
	A. Veins	B. Arteries 🔽				
	C. Capillaries D. Lymph vessels					
56.	Which vessels have valves					
	A. Arteries	B. Veins 🗸				
57	C. Capillaries Capillaries are:	D. None				
37.	A. Thick-walled	B. Muscular				
	C. One-cell thick V	D. Valve-bearing				
58.	Which blood cells help in		1			
	A. RBCs	B. WBCs				
	C. Platelets 🗸	D. Plasma				
59.	The normal systolic pressu	ire in humans is:				
	A. 80 mm Hg	B. 100 mm Hg				
	C. 120 mm Hg 🔽	D. 140 mm Hg				
60.	Double circulation means:					
	A. Blood flows once through heart					
	B. Blood flows twice through heart					
	C. Blood flows in veins or D. None of the above	пу				
61	Lymph differs from blood	in not containing:				
01.	A. WBCs	B. RBCs				
	C. Plasma	D. Water				
62.	Lymph helps in:	B. Water				
o _ .	A. Absorbing proteins	B. Transport of o	xvgen			
	C. Fat absorption	D. Carbon dioxid				
63.	The human heart has:		•			
	A. 2 chambers	B. 3 chambers				
	C. 4 chambers	D. 5 chambers				
64.	Blood flows from the left					
	A. Lungs	B. Right atrium				
65	C. Whole body	D. Brain only	d Grand Langue 40 ha			
65.	Which blood vessel carries	s oxygenated bloo B. Pulmonary art		eart?		
	A. Pulmonary vein C. Aorta	D. Vena cava	.ery			
66	Transport of water in plant					
00.	A. Phloem	B. Xylem 🗸				
	C. Cortex	D. Cambium				
67.	Transport of food in plants	s is by:				
	A. Xylem	B. Phloem 🔽				
	C. Root hair	D. Parenchyma				
68.	The loss of water vapor from	_	l :			
	A. Photosynthesis	B. Respiration				
60	C. Transpiration	D. Translocation				
69.	Opening and closing of sto		arrama ant			
	A. Water pressure C. Guard cells	B. Chloroplast m D. Light	ovement			
70	Transpiration creates:	D. Light				
70.	A. Root pressure	B. Suction pull	/			
	C. Capillary action	D. Osmosis				
71.	Translocation in plants is:					
	A. Passive	B. Energy-depen	dent 🔽			
	C. Osmotic	D. Through xyler	m			
72.	Companion cells help in:					
	A. Water transport	B. Fat digestion				
72	C. Translocation	D. Starch breakd	own			
73.	Which tissue conducts wat	-				
	A. Collenchyma	B. Phloem D. Parenchyma				
74	C. Xylem V In plants, sugar moves from	-				
, →.	A. Leaves to roots	B. Roots to leave	.s			
	C. Stem to leaves	D. Flower to leaf				
75.	Root pressure mainly worl					
	A. Day B. Night					
	C. Afternoon D. Morn					
77.	Main excretory organ in h	umans:				
	A. Heart B. Liver		C. Kidney 🔽	D. Lungs		
78.	Functional unit of kidney:		C A1 1	D T 1 1		
	A. Neuron B. Neph	ron 🔽	C. Alveolus	D. Tubule		

	Urine is stored in:				
	A. Kidney B. Ureter		C. Bladder 🔽	D. Ureth	ıra
	Urea is formed in:				
	A. Kidney B. Liver 🗸		C. Stomach	D. Heart	•
81.	The tube connecting kidney to bladder:				
	A. Urethra B. Fallopian tube		C. Ureter 🚺 D. Nephron		ron
82.	Blood is filtered in which part of nephron? A. Loop of Henle B. Ureter			_	
			C. Bowman's capsule 1 D. Collecting d		
83.	Which structure collects urine from	nephron			
	A. Ureter B. Bladder		C. Collecting duc	et 🔽	D. Alveolus
84.	Major component of urine is:		_		
	A. Glucose B. Uric acid		C. Water 🔽	D. Prote	in
85.	Artificial kidney performs:				
	A. Excretion of oxygen	B. Diges	stion		
	C. Dialysis 🗸	D. Resp	iration		
86.	Dialysis removes:				
	A. Bile	B. Enzy	mes		
	C. Nitrogenous waste 🗸	D. RBC	Cs		
87.	The amount of urine produced depe	ends on:	_		
	A. Blood sugar	B. Water	r in body 🔽		
	C. Salt intake	D. Oxyg	gen		
	Filtration in nephron occurs in:				
	A. Glomerulus 🔽	B. Tubu	le		
	C. Loop of Henle	D. Blade			
89.	Reabsorption of useful substances of				
	A. Bladder	B. Urete			
	C. Tubule 🔽	D. Glom	nerulus		
90.	Which organ helps remove carbon of				
	A. Liver	B. Kidno	ey		
	C. Lungs 🗸	D. Skin			
	Waste stored in old xylem:	D. I			
	A. Resin 🗸	B. Latex			
	C. Sugar	D. Prote	ein		
	Plants excrete waste through:	D. C4	-4- []		
	A. Glands	B. Stom			
	C. Roots only	D. Caml	oium		
	Excretory waste in plants is stored in A. Cytoplasm		oles 🚺		
	C. Chloroplasts	B. Vacue	m vessels		
	Gum in plants is a:	D. Ayle	III VESSEIS		
	A. Food	B. Prote	in		
	C. Waste product 🗸	D. Horn			
	Plants excrete excess water by:	D. Hom	ione		
	A. Photosynthesis	B. Trans	spiration 🗸		
	C. Guttation	D. Exoc	-		
	Kidneys help regulate:		J		
	A. Oxygen	B. Diges	stion		
	C. Blood pressure		r and salts 🔽		
	Urine contains:				
	A. Urea, water 🗸	B. Prote	in, glucose		
	C. DNA		nd enzymes		
	Urine passes out through:		•		
	A. Ureter	B. Ureth	ıra 🗸		
	C. Rectum	D. Neph	iron		
	Plant wastes are also excreted into:	_			
	A. Fruit	B. Soil			
	C. Flowers	D. Stem			
100.	Main nitrogenous waste in humans:				
	A. Uric acid	B. Urea			
	C. Ammonia	D. Creat	tinine		