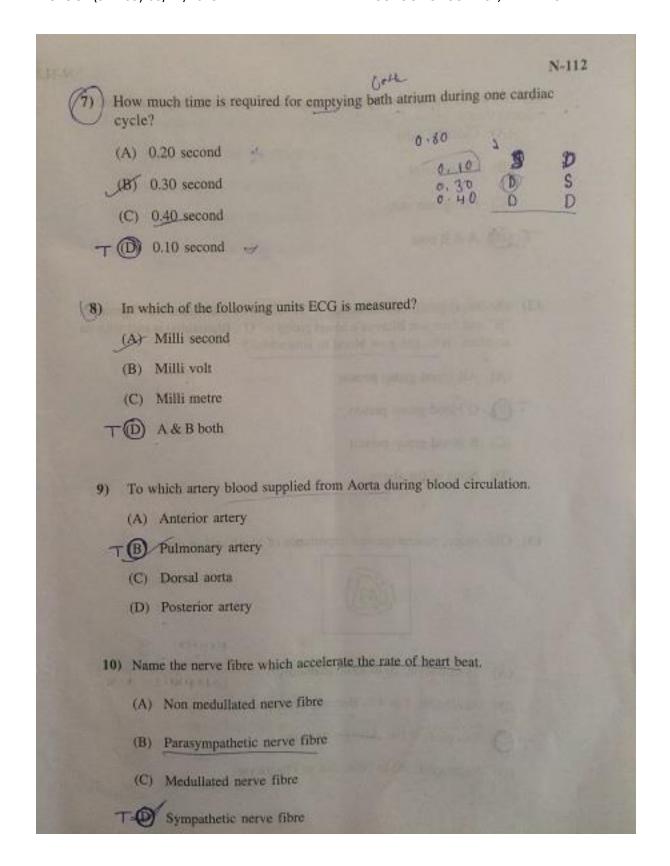
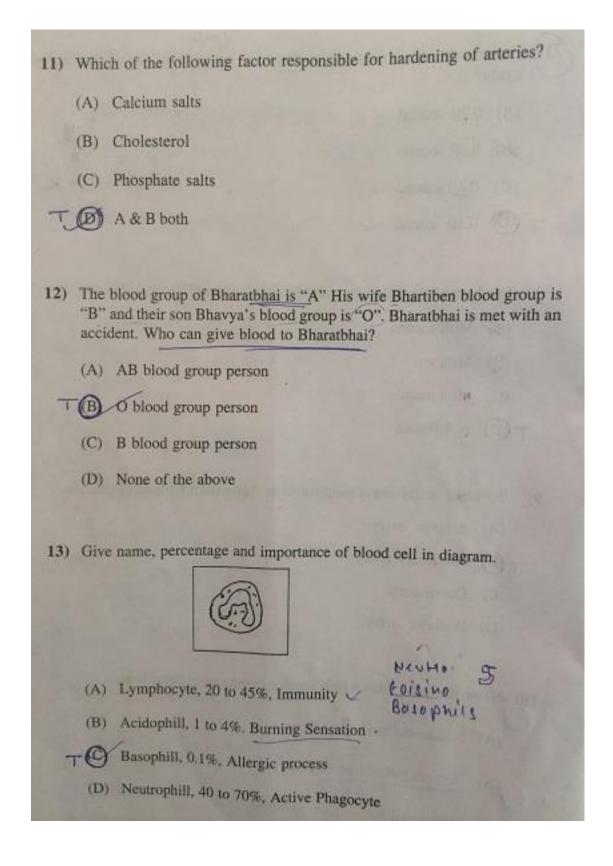
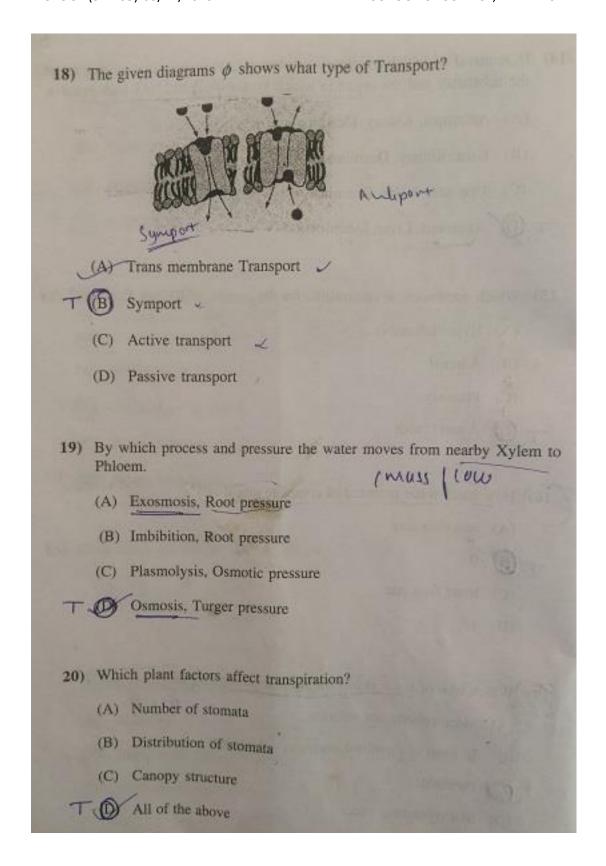
This Question Paper contains 32 printed pages પ્રશ્ન પેપરનો સેટ નંબર 200128 Set No. of SI.No. Question Paper: (Oct./Nov. - 2015) (SEMESTER-III) Time: 21/2 Hours [Maximum Marks: 100 Instructions: 1) There are 100 questions in this question paper. All questions are compulsory. 2) Select proper option to make the statement correct. 3) The OMR sheet is given for answering the questions. The answer of each question is represented by (A) O, (B) O, (C) O, (D) O. Darken the circle of the correct answer with ball-pen. 4) Each question carry I mark. Read the questions carefully before your answer. 5) Set No. of Ouestion Paper printed on the upper-most right side of the Question 6) Paper is to be written in the column provided in the OMR sheet. 1) Through which of the following plants get oxygen for respiration? (A) Through stomata (B) Through lenticel (C) Through Hydothades A & B both Which enzyme in plants involved in prior to and after glycolysis? T, A Invertase, Acetyl Co.A. Synthatase (B) Sucrase, Cytochrome oxidase (C) Fructose isomerase, Succinic dehydrogenase (D) Invertase, Hexokinase

3)	How many times decarboxylation and dehydrogenation take place in the main stage of citric acid cycle?
	(A) Four times Decarboxylation two times Dehydrogenation
	(B) Two times Decarboxylation, two times Dehydrogenation
T	Two times Decarboxylation four times Dehydrogenation
	(D) One time Decarboxylation one time Dehydrogenation
(4)	At which stage of respiration Carbohydrates are used?
200	(A) Cellular ** All Algo
xdegg	(B) Extracellular. Saids PUAL Protein
Contract of the last	(C) Matrix Provice a
- T	(D) A and C both
	The state of the s
(5)	In metabolic pathway of respiration pyruvic acid molecules are directly synthesized from
8	(A) Glycerol, Vitamins, Amino acid
-	Glycerol, Glucose, Amino acid
200	(C) Fatty acid, Starch, Glycerol
	Fatty acid, Glucose, Amino acid
6)	Which of the following factor is not required to be activated in blood clotting?
UNE	(A) Proconvertin
9	(B) Fibrinogen
1	T O Accelerin
W. De	(D) Prothrombin



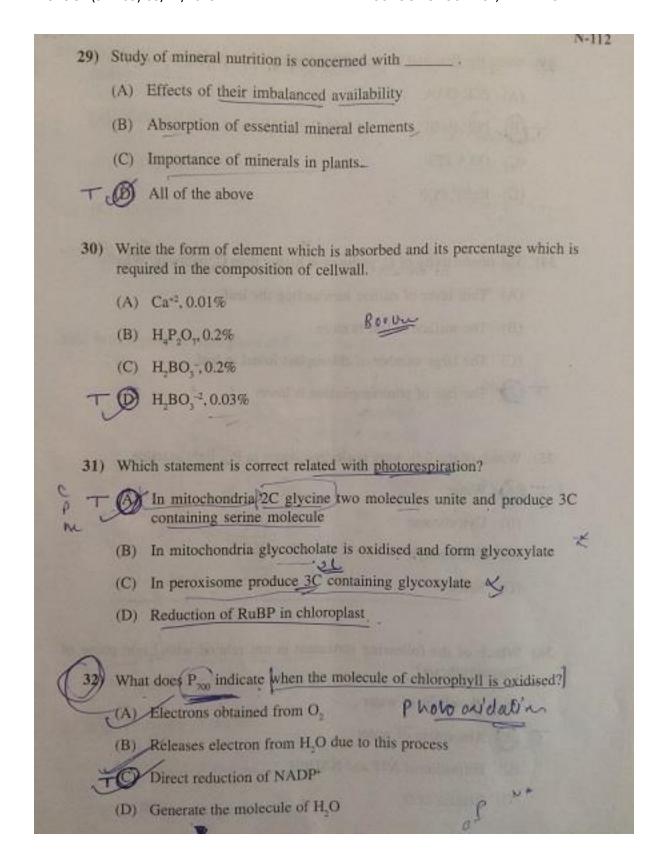


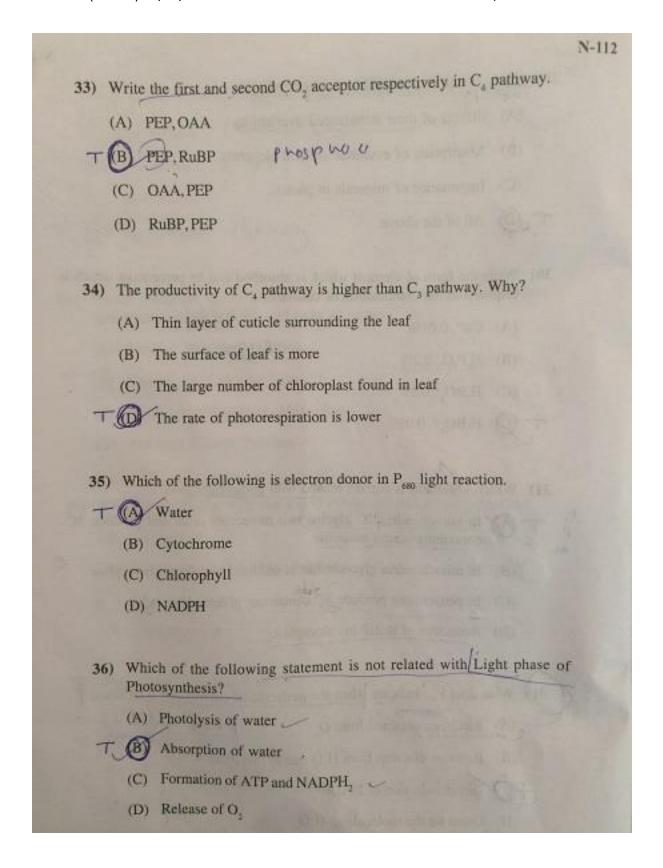
	N
14) In removal of which excretory substance least energy is require the substance and the organ in which synthesized and by which	d, name process.
(A) Ammonia, Kidney, Deamination	
(B) Urea, Kidney, Deamination	
(C) Uric acid, Liver, Deamination	
Ammonia, Liver, Deamination	
15) Which component is responsible for the control of Kidney Funct	ion?
(A) Hypothallamus	
(B) Adrenal	
(C) Pituitary	
T A and C both	
(16) How much water potential of complete turgid cell?	
(A) less than zero	
TB 0	
(C) more than one	
(D) 1	
(17) Which type of water is lost during transpiration by sunflower leaf	0
(A) More concentrate solution	
(B) In form of dissolved excretory substances	
Pure water	
(D) Salt containing water	

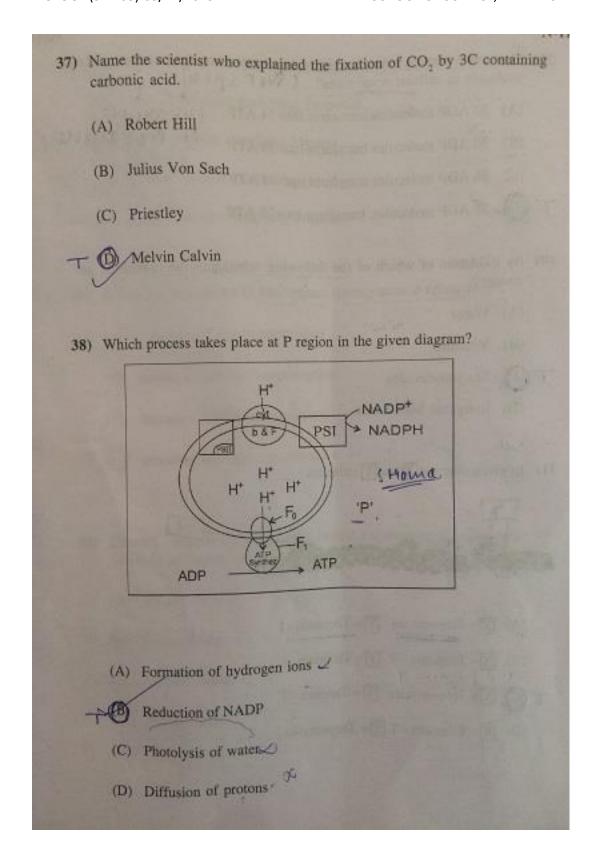


11-112
(21) Which of the following statement is wrong?
Plants at a time absorb either water or mineral ions.
(B) In leaves, the mineral ions are assimilated into organic compound
(C) The root absorb water through passive transport.
(D) Transport of water and dissolved mineral salts can take place against gravitational force.
Which of the following pathway takes place minimum during transport of water through root.
(A) Apoplast pathway
(B) Symplast pathway
T (C) Vacuolar pathway
(D) Transmembrane transport)
23) When the tradenscantia leaf is kept in hypertonic solution the process of plasmolysis start and it progresses. The protoplasm shrink as remain contract in one region. What is the name of this process?
(A) Imbibition
T B Exosmosis
(C) Diffusion
(D) Endosmosis
The experiment of potato explain the process of osmosis. The process of osmosis suggest which kind of phenomenon?
(A) Biochemical Potote (cop)
T B Physical -
(C) Chemical
(D) Physiological

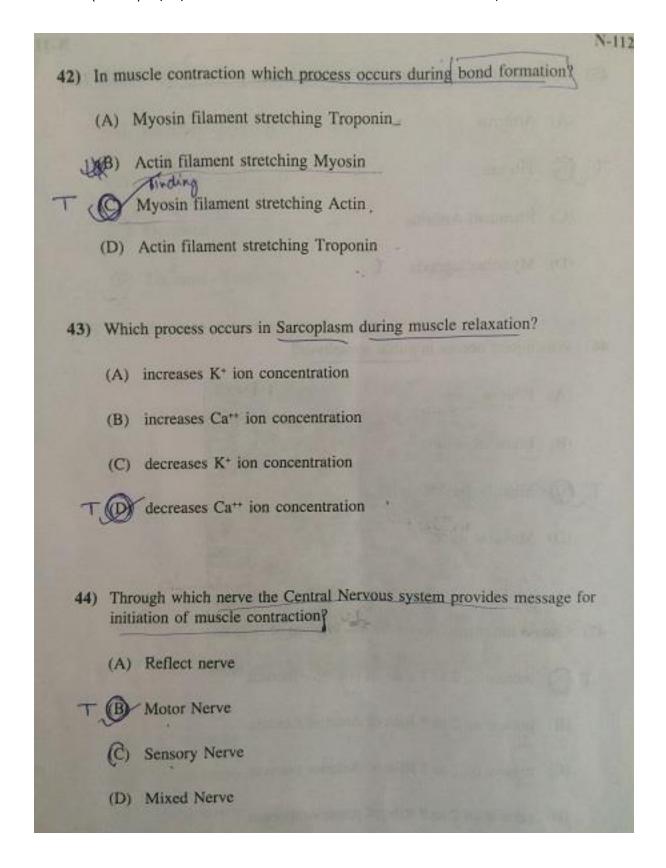
25) Which of the following organism is different in	reference to function.
(A) Clostridium (Fixing)	
(B) Rhizobium (fixing)	
(C) Azatobacter	
Pseudomonas (DeNyy	
26) Which elements are essential as a structural membrane, middle lamella, and cellwall respect	
(A) Sulphur, Phosphorus, Silicon	
Phosphorus, Calcium, Silicon	
(C) Potassium, Manganese, Magnesium	
(D) Nitrogen, Silicon, Calcium	
27) Which of the following is not a type of hydropo	nics solution culture?
(A) Aeroponics	
(B) Continuous flow solution culture	
T (6) Medium culture	
(D) Static Solution Culture	
(D) white bounds culture	
28) Passive absorption = Diffusion.	
Active absorption =	
- ~/	
Coupled transport	
(B) Donnan equilibrium	
(B) Donnan equilibrium	

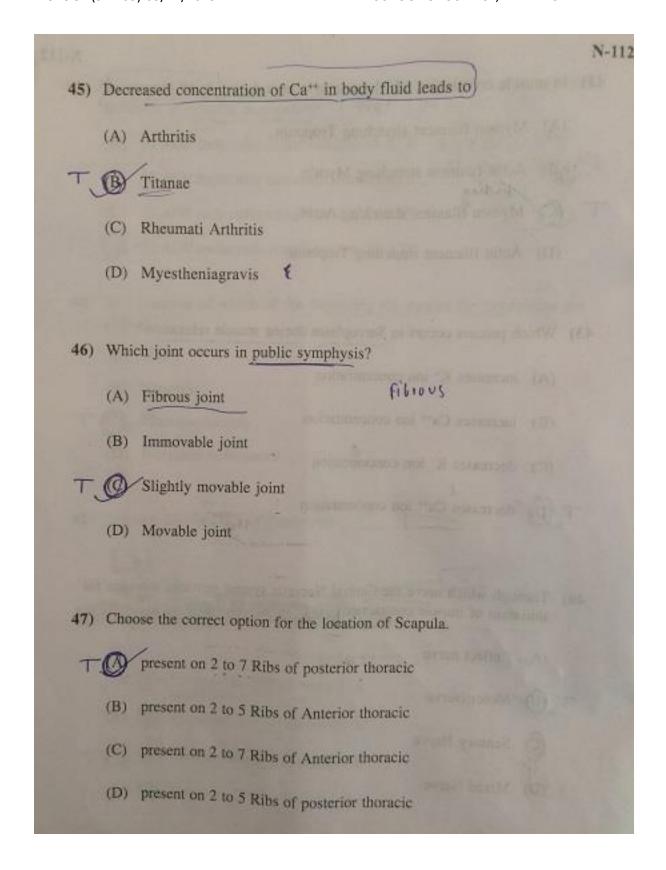


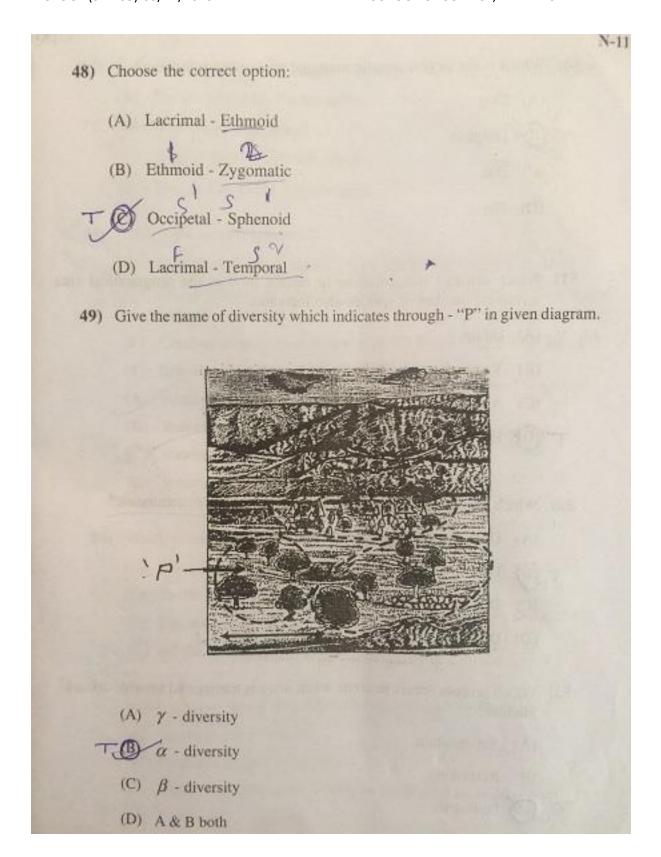


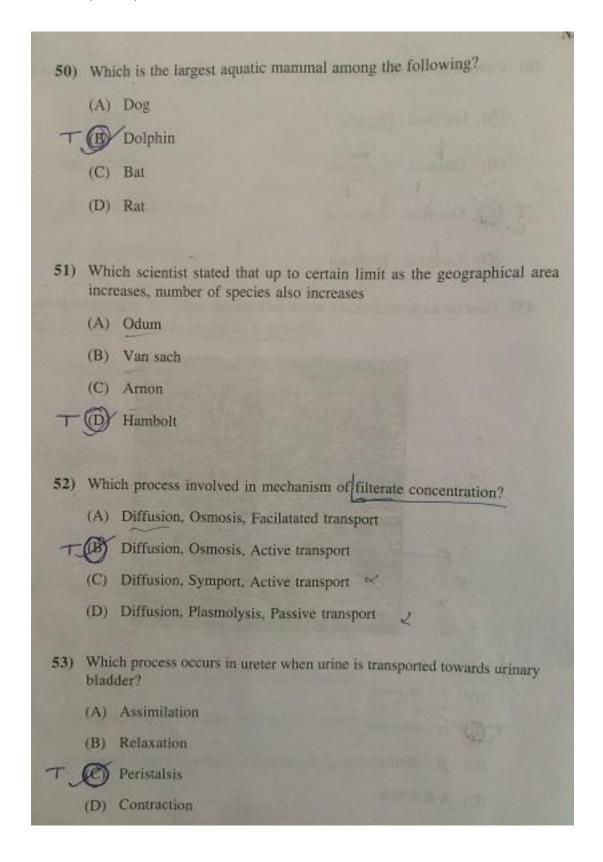


at it		N-112
39) Ho	w much energy is transformed during complete lecule in cellular respiration? (Nors ρ	eath for
(A)	34 ADP molecules transform into 34 ATP	or propagates
(B)	30 ADP molecules transform into 30 ATP	or profession
(C)	36 ADP molecules transform into 34 ATP	
T @	38 ADP molecules, transform into 38 ATP	
	oxidation of which of the following substan	ces the organisms get
(A) Water *	
(В) Vitamins	
TC	Macromolecules	
(D) Inorganic Substances	
41) In	given diagram X and Y indicates	
Ī	X -1	国
200	30 100 100 100 100 100 100 100 100 100 1	TOTAL OF THE PARTY
B	X = Tropomysin Y = Troponin - I	
(В	X = Troponin - T Y = Troponin - C	
TO	X = Tropomycine Y = Tropnin - T	
(D	COMMENTS OF THE PARTY OF THE PA	O+
	- Topomyam	

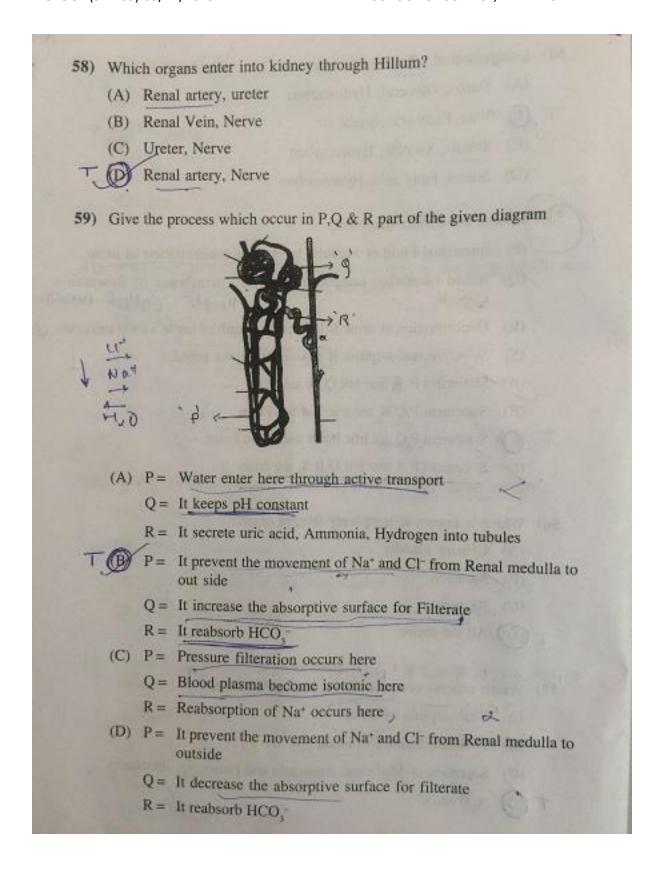


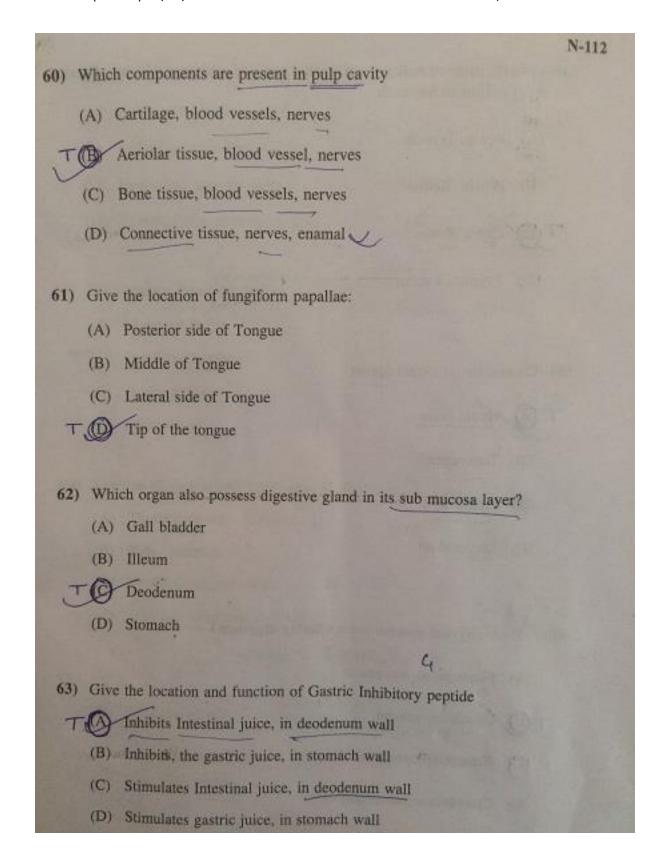


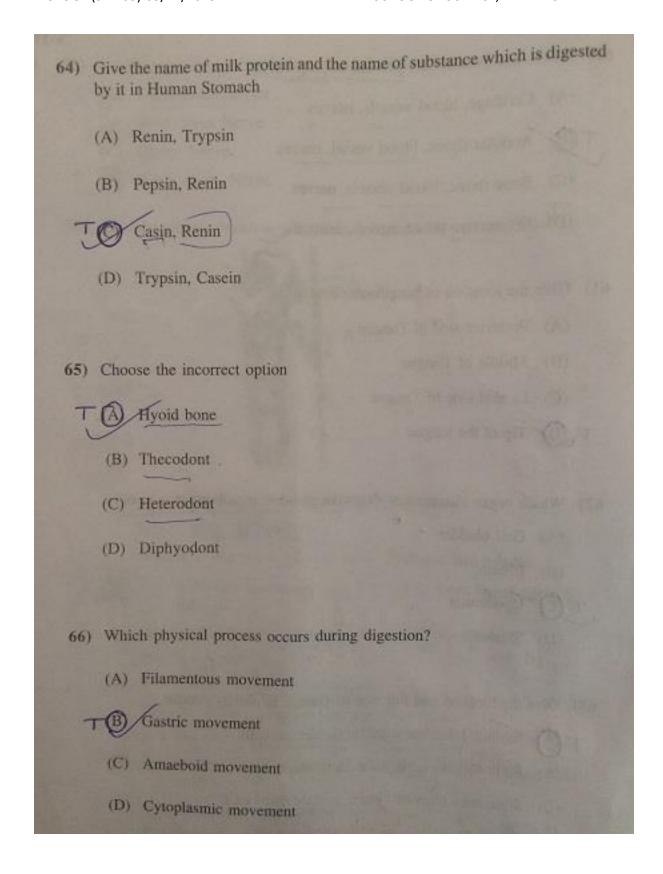




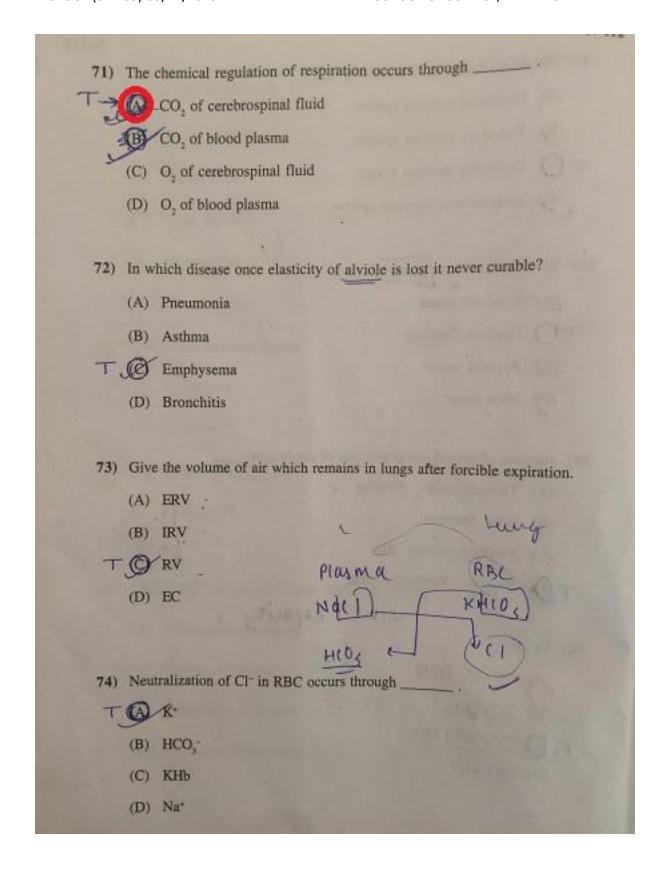
N-112
54) Component of sebum
(A) Steron, Glycerol, Hydrocarbon
T B Wax, Fatty acid, Sterol
(C) Sterols, Sucrose, Hydrocarbon
(D) Steron, Fatty acid, Hydrocarbon
(55) Choose the correct statement.
(P) Interstitial Fluid of Medulla have same concentration as urine.
(Q) Blood filteration occurs through thin membrane of Bowman's Capsule. Double watted membrane.
(R) Concentration of urine is less as the length of henle's loop increases &
(S) Selective reabsorption is passive transport process.
(A) Statement P, S true but Q, R are false
(B) Statement P,Q,R, are true but S is False
Statement P,Q are true but S and R are False -
(D) Statement P is true but Q,R,S, are false
56) Which is known as temporary storage organ?
(A) Urinary bladder
(B) Stomach
(C) Rectum
T (D) All the above
57) Which process occurs in distal convoluted tubule?
(A) Reabsorption of water
(B) Potasium balance in blood
(C) Secretion of Medicine, Ammonia and Poisonous substances
T (D) A, B and C

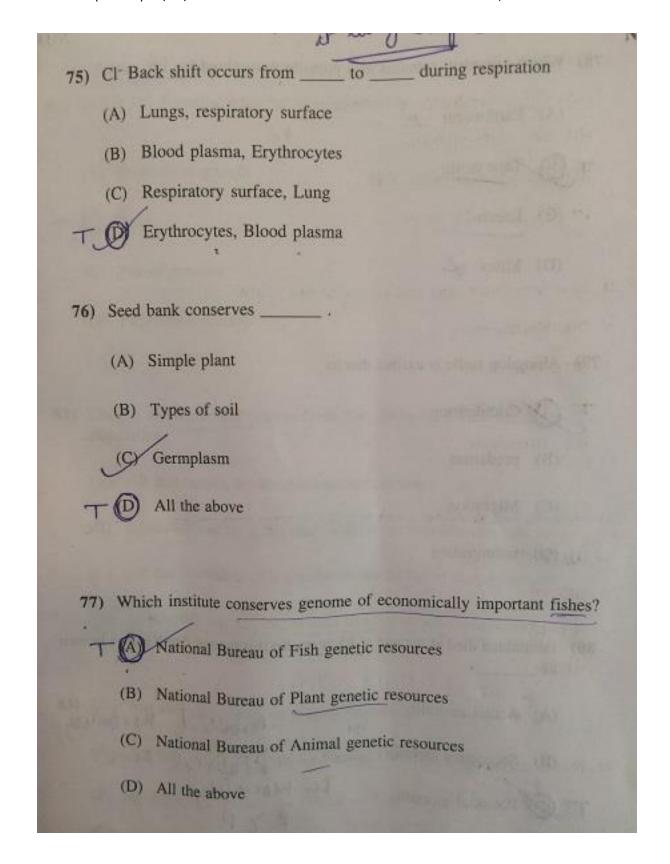






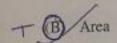
	N-112
67) Digestion process is controlled by	March Company Contract Contrac
(A) Peripheral nervous system	
(B) Voluntary nervous system	
T C Endocrine nervous system	
(D) Symphathetic nervous system	A CONTRACTOR OF THE PARTY OF TH
68) Which tissue forms glottis?	sandrate and maked display of \$27
(A) Muscular tissue	
TB Hyallins Cartilage	
(C) Aeriolar tissue	
(D) Bone tissue	
69) Junction of ventral and dorsal side of	of diaphragm,
(A) Thoracic cavity - Sternum 🗸	
(B) Ribs - Sternum	910
(C) Vertibral column - Ribs	
Sternum - Vertibral column	
vital	Rapacity +
70) VC=	
(A) TV+RV+ERV	
(B) TV + ERV	
TO TV + IRV + ERV	
(D) ERV+RV	





		as a parasite throughout his life cycle?
(A)	Earthworm /	Per
TB	Tape worm	
(C)	Leech 2	
(D)	Mites ₩	
79) Abing	gdon turtle is extinct	due to:
TO	Competition	
(B)	predation	Transport Co.
(C)	Migration	The same of the
(D)	immigration	
80) Jaimir as	nbhai died at the age o	of 85 years. So this type of death rule is known
(A)	Actual mortality	Parameter
(B) 3	Secondary mortality	Potential Mortality. Fraliscol aran Ryp
TO	Potential mortality	Tu Morrality
(D) I	Primary mortality	KYP

- 81) In $D = \frac{n/a}{t}$ formula, what "a" indicates?
 - (A) Population growth



- (C) No. of persons
- (D) Population density
- 82) Choose the incorrect option from the given specific character of a population.
 - (A) All individuals are morphologically similar
 - (B) Individuals differ from other species by reproductive affinities
 - (C) All the individual of a population are included in one species
- Individuals are not interrelated through genetic relations
- 83) Give true ascending order of species diversity.
 - (A) Sub species → Phyllum → Family → Genus
 - (B) Kingdom → Variety → Genus → Family
- → O Variety → Species → Genus → Family
 - (D) Kingdom → Family → Species → Variety

