

NUTRITION

DAILY PRACTIVE PROBMES # 1

OBJECTIVE QUESTION

1.	The raw materials for	or photosynthesis are			
	(A) CO ₂ & O ₂ 1	(B) sunlight and CO ₂	(C) wa	ter and chlorophyll	(D) CO ₂ and water.
2.	Most of the photosy	nthesis (80%) which takes p	place on	this earth is carried out	by
	(A) green plants on	land		(B) algae present in fr	esh water
	(C) algae found in o	cean		(D) algae present in o	cean and fresh water sources
3.	Which of the follow	ing ahs no digestive enzym	ne?		
	(A) Saliva	(B) Bile	(C) Ga	stric juice	(D) Intestinal juice
4.	Plants are green in c	olour because			
	(A) they absorb gree	en light only		(B) they reflect green	light
	(C) they absorb gree	en light but reflect all other	lights	(D) none of the above	are correct.
5.	Full name of N AD	P is			
	(A) Nicotinamide di	inucleotide phosphate		(B) Nicotine adenine	dinuceotide phosphate
	(C) Nicotinamide ac	lenine dinucleotide phosph	nate	(D) None of the above	e
6.	Wavelength of visib	le light is			
	(A) 200 - 400 nm	(B) 400 - 700 nm	(C) 700) - 900 nm	(D) 100 - 200 nm
7.	The presence of sug	ar in onion leaves can be te	sted with	ı	
	(A) iodine			(B) copper sulphate se	olution
	(C) lime water			(D) benedict's solutio	n
8.	Chemical reaction to	akes place during dark reac	ction of p	hotosynthesis is	
	(A) photolysis			(B) hydrolysis	
	(C) carbon dioxide i	s bonded with RUBP		(D) nitrogen fixation	
9.	Dark reaction and li	ght reaction of photosynthe	esis takes	s place in	
	(A) stroma and gran	na of chloroplast respective	ly	(B) grana and stroma	of chloroplast respectively
	(C) grana only			(D) stroma only	
10.	CO ₂ acceptor during	g dark reaction of photosyn	thesis is		
	(A) RUBP	(B) PEP	(C) NA	ADPH	(D) ATP

VERY SHORT ANSWER TYPE QUESTIONS

- **1.** Define photosynthesis?
- 2. Name the different modes of nutrition and classify them with one example of each?
- 3. Name the site of light and dark reaction of photosynthesis?

LONG ANSWER TYPE QUESTIONS

- **4.** Explain how water and temperature influence the rate of photosynthesis?
- 5. Describe the structure and role of chloroplast along with a well labelled diagram?
- **6.** Describe the mechanism of photosynthesis?
- 7. Explain the process of 'Photosynthesis' in plants. List four factor which influence this process and describe how each of them affects the rate of the photosynthesis. [Delhi, 2005]
- **8.** Explain the following aspects of photosynthesis in plants :
 - (i) The role of chlorophyll
 - (ii) Dark reaction
 - (iii) Calvin Benson Cycle.



NUTRITION

DAILY PRACTICE PROBLESMS # 2

OBJECTIVE QUSTIONS

1.	Compensation point ref	ters to the intensity of lig	ht at which	
	(A) Rate of respiration	= rate of photosynthesis	(B) Rate of respiration >	rate of photosynthesis
	(C) Rate of respiration	< Rate of photosynthesis	(D) None of the above i	s correct
2.	Among the following w	which is a parasitic plant	?	
	(A) Plasmodium	(B) Cuscuta	(C) Amoeba	(D) Rhizobium
3.	The nutrition in mucor	is		
	(A) parasitic	(B) autotrophic	(C) saprophytic	(D) holozoic
4.	In amoeba the digestion	n is intracellular because		
	(A) amoeba is unicellul	ar	(B) amoeba is multicellu	ular
	(C) amoeba is found is j	pond	(D) amoeba is microsco	pic animal
5.	Digestion of food in hu	man starts from		
	(A) duodenum	(B) small intestine	(C) mouth	(D) large intestine
6.	The digestion of food is	completed in the		
	(A) ileum	(B) duodenum	(C) stomach	(D) large intestine
7.	The most important fur	nction of villi in the small	intestine is	
	(A) to provide strength	to the intestine		
	(B) to provide space for	capillaries and lacteals		
	(C) to provide increased	d surface area for absorp	tion of digested food	
	(D) to provide habitat fe	or bacteria		
8.	Which of the following	sections does not contain	n enzymes?	
	(A) Bile	(B) Pancreatic juice	(C) Intestinal juice	(D) Saliva
9.	Chewing is an example	of		
	(A) chemical digestion	(B) mechanical digestion	n(C) involuntary action	(D) hydrolysis
10.	The final product of dig	gestion of carbohydrates	and proteins are	
	(A) glycerol and amino	acid respectively	(B) glucose and amino a	acids respectively
	(C) amino acids and gly	cerol respectively	(D) amino acids and glu	acose respectively

VERY SHORT ANSWER TYPE QUESTIONS

- 1. Name the different steps involved in digestive process.
- 2. Name the excretory organ of grasshopper.
- **3.** Give the importance of bile during digestion process, also write from where it is secreted, what is its site of action?

LONG ANSWER TYPE QUESTIONS

- **4.** Draw a well labelled diagram of human alimentary canal. Mention the functions of liver in digestion.
- **5.** Describe the digestive system of grasshopper with the help of a well labelled diagram?
- **6.** Explain how does the major nutrients in chapatti eaten by you in your food get digested and finally absorbed by the alimentary canal?



(A) stomach

(A) canines

(A) stomach

(A) salivary glands

Villi are present on

Ptyalin enzyme is secreted by

7.

8.

9.

10.

NUTRITION

DAILY PRACTICE PROBLEMS #3

(B) intestine

(B) Mouth \rightarrow Pharynx \rightarrow Oesophagus \rightarrow Small Intestine

(B) incisors

(B) mouth

(B) large intestine

(A) Mouth \rightarrow Pharynx \rightarrow Oesophagus \rightarrow Stomach

(C) Mouth → Oesophagus → Stomach → Pharynx
 (D) Oesophagus → Mouth → Pharynx → Stomach

Teeth involved in cutting of food material are called

The path taken by food material after ingestion is represented by

1. In amoeba the digestion of food is (C) intercellular (A) extracellular (B) intracellular (D) none of the above 2. Through mastication of food is essential because (A) mastication of food makes the teeth stronger (B) it makes the process of swallowing the food easier (C) by this process bigger pieces of food are broken down into smaller pieces. (D) bigger pieces of food are broken down into smaller pieces and saliva is properly mixed with it 3. The wave of contractions that pushes the food through the alimentary canal is called (A) peritoneum (B) peristalsis (C) cyclosis (D) polarisation 4. In amoeba absorption of the digested nutrients occurs in (A) contractile vacuole (B) plasma membrane (C) cytoplasm (D) pseudopodia 5. Coiled and well developed alimentary canal first developed in (A) Protozoans (B) Mammals (C) Arthropods (D) Poriferans 6. Digestion of starch starts from

(C) esophagus

(B) molars

(C) esophagus

(C) small intestine

(D) mouth

(D) premolars

(D) stomach

(D) mouth

VERY SHORT ANSWER TYPE QUESTION

- 1. What is the product formed during C_3 cycle of dark reaction of photosynthesis?
- **2.** Where does the absorption of food takes place?
- 3. Name five different types of glands involved in human digestive system

LONG ANSWER TYPE QUESTIONS

- **4.** Explain various digestive glands present in man along with their secretions & functions.
- **5.** Explain dark reaction of Photosynthesis.
- **6.** What is photophosphorylation? Explain cyclic and monocyclic photophosophorylation in brief.
- 7. What are the various factors that affect photosynthesis explain each of them in brief?
- 8. (i) Explain why the rate of photosynthesis in plants is low both at lower and higher temperatures?
 - (ii) Is green light most or least useful in photosynthesis and why?
 - (iii) Describe and activity to show that chlorophyll is necessary for photosynthesis in plants.

[CBSE, 2005]

- 9. What is the function of gizzard in grasshopper. Draw a labelled diagram showing the digestive system of grasshopper?
 [CBSE, 2005]
- 10. What is the importance of the following process occurring during photosynthesis in plants?
 - (i) Emission of electrons from chlorophyll (ii) I
- (ii) Photolysis of water

[CBSE 2004]

11. What is meant by utilization of food? Name the digestive gland of grasshopper.

ANSWERS

DAILY PRACTIVE PROBELSM # 1

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	D	D	В	В	С	В	D	С	Α	Α

DAILY PRACTIVE PROBLEMS # 2

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	Α	В	С	Α	С	Α	С	Α	В	В

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	В	D	В	Α	С	D	Α	В	Α	С



TRANSPORTATION

DAILY PRACTIVE PROBLES # 4

OBJECTIVE QUESTIONS

1.	Osmosis is the movement	ent of :		
	(A) solute particles from	m higher concentration to lower	concentration	
	(B) solvent particles f	rom higher water potential to	lower water potential	through a semi permeable
	membrane			
	(C) solute particles from	m higher concentration to lower	concentration through a	semipermeable membrane
	(D) solvent particles fi	om lower water potential to hig	her water potential.	
2.	The ultimate cause for	the movement of water against t	he gravity in a tree is	
	(A) osmosis	(B) transpiration	(C) imbibitions	(D) photosynthesis
3.	Which one of the follow	ving is connected with transport	of water in plants?	
	(A) Phloem	(B) Xylem	(C) Epidermis	(D) Cambium
4.	Which of the following	contributes most to transport of	water from the ground t	o the leaves of a tall tree?
	(A) Breakdown of ATP		(B) Capillary rise of wa	ter is xylem
	(C) Cohesion of water a	and transpiration pull	(D) Root pressure.	
5.	The process of transpir	ation in plants helps in		
	(A) opening of stomata		(B) absorption of CO ₂ f	rom atmosphere
	(C) upward conduction	of water and minerals	(D) absorption of O ₂ from	om atmosphere
6.	Opening and closing of	f stomata is due to		
	(A) pressure of gases in	side the leaves	(B) changes of turgor p	ressure in guard cells
	(C) effect of hormones		(D) their genetic constit	tution
7.	The carbohydrates syn	thesized in the leaves are trans	sported through sieve tu	bes most commonly in the
	form of			
	(A) glucose	(B) starch	(C) sucrose	(D) cellulose
8.	In a closed circulatory	system, blood is completely encl	osed with in	
	(A) sinuses	(B) vessels	(C) heart	(D) skeleton
9.	An artery is a vessel tha	at carries blood		
	(A) with high concentra	ation of oxygen	(B) with high concentra	ation of CO ₂
	(C) away from the hear	t	(D) both A & C	
10.	Values are found in vei	ins to check the backflow of bloo	d flowing under	
	(A) low pressure	(B) high pressure	(C) no pressure	(D) atmospheric pressure.

EII I	IIN	THE	RI /	ANKS

- (i) is the flow of water molecules from the region of higher water potential to the region of lower water potential through a semipermeable membrane.
- (ii) The osmotic entry of water into a cell is called
- (iii) Other name for blood platelets is
- (iv) The process of production of erythrocytes is known as
- (v) Heart is protected by a covering known as

VERY SHORT ANSWER TYPE QUESTIONS

- **1.** Explain the importance of transportation.
- 2. Distinguish between diffusion and osmosis.
- 3. How does blood clot?

LONG ANSWER TYPE QUESTIONS

- **4.** Explain the composition of blood. Also give functions of all it's components.
- **5.** Explain various components of xylem and phloem.
- **6.** Comment upon :
 - (i) Translocation in plants

(ii) Xylem

(iii) Phloem

- (iv) Excretion in plants
- 7. What is clotting of blood'? Write a flow chart showing major events taking place in clotting of blood.

[CBSE, Delhi 2005]

8. Name the constituents of blood. Why are white blood corpuscles called 'soldiers of the body?

[CBSE, Delhi 2005]

9. Draw a diagram of human heart and label the following on it

[CBSE, Delhi 2005]

(i) Aorta

(ii) Pulmonary trunk

- (iii) Superior vena cava (iv) Coronary arteries
- 10. (a) List any four blood groups found in human beings.

[CBSE, 2005]

- (b) People of which blood group can
- (i) donate blood to all groups?
- (ii) receive blood from all groups?
- 11. List two vital functions of the human kidney. Draw a labelled diagram of an artificial kidney

[CBSE, 2005]



TRANSPORTATION

DAILY PRACTIVE PROBLEMS # 5

OBJECTIVE QUESTIONS

1.	The phenomena non	of uptake of water at the expe	rise of energy by the o	ens and usually against the
	osmotic gradient is kno	own as		
	(A) active absorption	(B) passive absorption	(C) osmosis	(D) diffusion
2.	Water will be absorbed	d by root hair when		
	(A) concentration of so	lutes in the cells sap in high		
	(B) plant in rapidly res	piring		
	(C) they are separated	from soil by a permeable member	rane	
	(D) concentration of sa	lts in the soil in high.		
3.	Root cap has no role in	water absorption because		
	(A) it has no direct con	nection with the vascular system	n	
	(B) it has no cells conta	ining chloroplasts		
	(C) it has no root hairs			
	(D) it has loosely arran	iged cells.		
4.	Which of the following	g is used in measuring transpirat	ion?	
	(A) Photometer	(B) Cobalt chloride paper	(C) Bell - jar	(D) None of the above
5.	Translocation of solute	es primarily takes place through		
	(A) phloem	(B) xylem	(C) cortex	(D) pith.
6.	A mature human eryth	nrocyte has the typical characteri	stic of	
	(A) a eukaryotic cell		(B) a prokaryotic cell	
	(C) both eukaryotic and	d prokaryotic cell	(D) neither eukaryotic	nor prokaryotic cell
7.	Removal of calcium fro	om freshly collected blood will		
	(A) result in clotting		(B) prevent clotting	
	(C) prevent oxidation of	of hemoglobin	(D) cause hemolysis	
8.	In the cardiac cycle, dia	astole is		
	(A) the number of hear	rt beats per minute		
	(B) the relaxation period	od after contraction of the heart		
	(C) the forceful pumpi	ng action of the heart		
	(D) the contraction per	riod after relaxation of the heart.		
9.	One of the difference b	etween blood and lymph is that		
	(A) blood has RBCs an	d WBCs while lymph has Lymp	hocytes.	
	(B) blood has RBCs wh	nile lymph has no WBCs		
	(C) blood has WBCs w	hile lymph has RBCs		
	, ,	d organic salts while lymph has	· ·	
10.	Blood vessel carrying l	blood from lung to heart through	ı	
	(A) Pulmonary artery	(B) Pulmonary vein	(C) Coronary artery	(D) None of these.

FILL IN THE BLANKS

- 1. The series of events which occur during one complete beat of the heart is known as cycle.
- **2.** Depression in the interauricular septum is known as
- 3. Normal blood pressure is

VERT SGIRT ANSWER TYPE QUESTIONS

- **1.** Write short note on leucocytes.
- **2.** Distinguish between open and closed circulatory system.
- **3.** What is double circulation?
- **4.** Distinguish between arteries and veins.
- **5.** Why AB+ blood group is considered as universal recipient?

LONG ANSWER TYPE QUESTIONS

- **6.** Explain the structure of human heart with the help of diagram.
- 7. Define cardiac cycle. Explain the changes occurring in heart during cardiac cycle..
- **8.** What is lymph? Explain its important functions. Write about its circulation.
- 9. Draw a diagram showing how blood in the capillaries, surrounding tissues exchange respiratory gases with cells of the tissues. Label the following on this diagram:
 - (i) Red Blood Corpuscle (ii) Tissue Cell

[CBSE, 2005]

10. Why is it essential to match the blood groups of the 'donor' and the 'receiver' persons before arranging transfusion of blood? A person tests as 'universal donor'. which group of blood will be acceptable to him for receiving blood transfusion?



EXERETION

1.	Which of the following	parts of a kidney contain	ns the lowest concentrati	on of urea ?
	(A) Lop of Henle		(B) Branches of renal ve	ein
	(C) Bowman's capsule		(D) Glomerulus	
2.	Uriniferous tubules of a	a kidney are concerned v	vith formation of	
	(A) glucose	(B) amino acids	(C) hormones	(D) urine
3.	Excretion is removal of			
	(A) CO ₂ (B) harmful an	d useless ingredients		
	(C) extra water (D) me	tabolic wastes		
4.	Main function of kidne	y is		
	(A) passive absorption		(B) ultrafiltration	
	(C) selective reabsorpti	on	(D) Both B and C	
5.	Ammonia is converted	into urea in		
	(A) kidney	(B) spleen	(C) liver	(D) nephron
6.	Function of loop of Her	nle is		
	(A) conservation of wa	ter	(B) formation of urine	
	(C) filtration of blood		(D) passage of urine	
7.	Urea is transported three	ough		
	(A) RBCs	(B) WBCs	(C) Plasma	(D) All of the above
8.	Major function of contr	active vacuole is		
	(A) excretion	(B) circulation	(C) osmoregulation	(D) all the above
9.	Which one is a accessor	ry excretory organ		
	(A) Liver	(B) Stomach	(C) Intestine	(D) Heart
SUBJI	ECTIVE QUESTIONS	}		
VERY	SHORT ANSWER T	YPE QUESTIONS		

- 1. Name of excretory organs of amoeba.
- 2. How wastes diffuse out from body of Sponge and Hydra?
- Flame cells are excretory organs of which group of animals. 3.
- Name the major excretory product of human beings. 4.

SHORT ANSWR TYPE QUESTIONS

- **5.** What is meant by excretion and osmoregulation?
- **6.** How excretion takes place in amoeba?
- 7. Draw a diagram of nephron and label its various parts.
- **8.** What is meant by osmoregulation? How it is achieved in different groups of animals?

LONG ANSWER TYPE QUESTIONS

- **9.** Name the excretory organs of earthworm.
- **10.** Draw diagram of human excretory system, label its pars.
- 11. Draw a labelled diagram of nephron and explain how urine is formed.

ANSWERS

DAILY PRACTIVE PROBLEMS #4

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	В	В	В	С	С	В	С	В	D	В

DAILY PRACTIVE PROBLEMS # 5

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	Α	Α	С	Α	Α	D	В	В	Α	В

Qus.	1	2	3	4	5	6	7	8	9
Ans.	В	D	D	D	С	Α	С	С	Α



RESPIRATION

OBJE	CTIVE QUESTIONS			
1.	The process of respirat	ion is concerned with		
	(A) liberation of oxyger	n	(B) liberation of carbon	dioxide
	(C) liberation of energy		(D) intake of oxygen	
2.	The common immediat	te source of energy for ce	llular activity is	
	(A) NAD	(B) ATP	(C) DNA	(D) RNA
3.	The tissue respiration r	efers to		
4.	(A) inspiration If the CO ₂ concentration	• •	(C) internal respiration the rate of breathing will	
	(A) decrease	(B) stop	(C) increase	(D) have no effect
5.	Vocal cards occur in			
	(A) pharynx	(B) glottis	(C) bronchial tube	(D) larynx
6.	In man, which of the fo	llowing structures is ana	logous to the spiracles of	cockroach?
	(A) Alveoli	(B) Lungs	(C) Bronchioles	(D) Nostrils
7.	Which of the following	prevents collapsing of tr	achea ?	
	(A) Diaphragm	(B) Ribs	(C) Cartilaginous ring	(D) Muscles
8.	Which of the following	gases makes the most st	able combination with th	e hemoglobin of red blood cells.
	(A) CO ₂	(B) CO	(C) O ₂	(D) N ₂
9.	Volume of air inspired	or expired with each nor	mal breath is called	
	(A) tidal volume		(B) inspiratory capacity	
	(C) total lung capacity		(D) residual volume	
10.	Most of the carbon diox	xide in the blood is carrie	ed in the form of	
	(A) carbonic acid		(B) bicarbonates	
	(C) carbaminohaemogl	obin	(D) dissolved CO ₂	
SUBJ	ECTIVE QUESTION	NS		
SHOI	RT ANSWER TYPE	QUESTIONS		
1. 2. 3. 4.	Write three common fe What are the characteri What is the function of	ne the different types of a tures of respiratory org stics of respiratory struct epiglottis in man and wl gases takes place in the f	ans. ture present in animals? here it is situated?	
6.	(i) Roots Draw a labelled diagram	(ii) Stem m of human respiratory :	(iii) Leaves system.	

LONG ANSWER TYPE QUESTIONS

1.	What do you mean by inhalation and exhalation? Explain the mechanism of both in brit?
2.	List out the differences between breathing and respiration.
3.	Describe the mechanism of breathing in human beings.
4.	Explain the process of respiration in different parts of plant. What are the various structures involved in respiration in plants?
5.	Draw the respiratory system of human beings. What happens to the rate of breathing during vigorous exercise and why?
6.	List three differences between respiration in plants and respiration in animals. Describe with a well labelled diagram how gaseous exchange occurs through root hair in plants [C.B.S.E., Delhi - 2005]
7.	How is respiration differs from breathing ? Explain the process of aerobic respiration and anaerobic respiration. [C.B.S.E - 2005]
8.	Draw a diagram showing human respiratory system. Label its following parts: (i) Larynx (ii) Trachea (iii) Primary bronchus (iv) Lungs
9.	Name the respiratory organs in the following:
	(i) A fish (ii) A bird (iii) An earthworm
10.	Draw a diagram showing how blood in the capillaries surrounding tissues exchange respiratory gases with cells of the tissues.



RESPIRATION

DAILY PRACTIVE PROBLEMS #8

OBJ	ECTIVE QUESTION	S					
1.	Breathing rate in ma	mmals in controlled by a part	of the brain called the				
	(A) thalamus	(B) hypothalamus	(C) medulla oblongata	(D) cerebellum			
2.	In anaerobic respirat	tion					
	(A) O ₂ is taken in	(B) CO ₂ is taken in	(C) O ₂ is given out	(D) CO ₂ is given out			
3.	Disease called pleuri	isy is due to					
	(A) inflammation of	pleura	(B) inflammation of trachea				
	(C) inflammation of	alveoli	(D) none of these above	9			
4.	Leaves respire with	the help of					
	(A) lenticles	(B) stomata	(C) plasmodesmata	(D) cuticle			
5.	Correct statement is						
	(A) roots of plant res	spire through lenticles and stor	mata.				
	(B) stem of plant resp	pire through lenticles					
	(C) both A and B are	ecorrect					
	(D) both A and B are	eincorrect					
6.	Which of the followi	ing is not a characteristic of go	od respiratory surface?				
	(A) Thin and moist		(B) Large surface area	(B) Large surface area			
	(C) Close to oxygen	and gas transport	(D) Thick and dry surfa	ace			
7.	Respiration in yeast						
	(A) takes place in the	e presence of oxygen	(B) yields lactic acid an	d carbon dioxide			
	(C) in anaerobic and	produces carbon dioxide	(D) takes place only in	darkness			
8.	Muscle cells engaged	d in vigorous activity build up	a high concentration of				
	(A) lactic acid	(B) pyruvic acid	(C) alcohol	(D) cholesterol			
9.	Exchange of respirat	ory gases takes place in an ear	thworm through				
	(A) moist skin	(B) gills	(C) trachea	(D) lungs			
10.	Oxygen is transporte	ed in blood mainly by					

SUBJECTIVE QUESTIONS

(A) leucocytes

SHORT ANSWER TYPE QUESTIONS

1. Write any two points of difference between respiration in plants and respiration in animals.

(C) thrombocytes

(D) blood plasma

- **2.** What do you mean by fermentation?
- **3.** Describe the mode of respiration in an insect with a diagram.

(B) erythrocytes

- **4.** What are the functions of respiratory system?
- 5. Why do walls of trachea not collapse when there is less air in it?

LONG ANSWER TYPE QUESTIONS

- **6.** Write the differences between photosynthesis and respiration.
- **7.** Explain the following in brief:
 - (a) Emphysema
- (b) Asthma

- (c) Pneumonia
- (d) Bronchitis

- **8.** Describe the structure of lungs.
- **9.** Explain in brief all the organs involved in respiratory system.
- **10.** Explain in brief the cellular respiration.
- 11. Explain the process by which inhalation occurs during breathing in human beings.
- 12. A farmer floods his field every day thinking that watering in this manner will result in a better yield of his wheat crop. What will be the result of this action of the farmer? [C.B.S.E, All India 2004]
- 13. What is the function of epiglottis in man? Draw labelled diagram showing the human respiratory system.

[All India C.B.S.E. -2004]

14. Distinguish between aerobic and anaerobic respiration in terms of end products and energy?

[C.B.S.E. - 2004]

ANSWERS

DAILY PRACTICE PROBLEMS # 7

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	С	В	С	С	D	D	С	В	Α	В

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	С	D	Α	В	В	D	С	Α	Α	В



CONTROL & CO-ORDINATION

DAILY PRACTIVE PROBLEMS #9

OBJECTIVE QUESTIONS

1.	Phytonormones are	

- (A) hormones regulating growth from seed to adulthood
- (B) hormones regulating secondary growth
- (C) growth regulators synthesized by plants and influencing physiological processes
- (D) hormones regulating flowering.
- 2. The natural plant hormones were first isolated from
 - (A) cotton fruits, spinach leaves, rice plant
- (B) avena coleoptiles, fungus gibberella
- (C) corn germ oil, human urine
- (D) human urine, rice plant.
- 3. If the tip of a seeding is cut off, growth as well as bending ceases because it hampers
 - (A) perception of light stimulus
- (B) transpiration

(C) respiration

- (D) photosynthesis.
- **4.** A plant bends towards the source of light when exposed to the light on only one side. Which of the following is the best explanation of the phenomena?
 - (A) It needs light for photosynthesis
 - (B) The apices of their stems are attracted by light
 - (C) Some auxin accumulates on the shaded side to induce greater cell elongation on that side
 - (D) Light stimulates the cells on the illuminated side to increase in length

5.	The movement of plant organs in response to the force of gravity is called						
	(A) hydrotropism	(B) geotropism	(C) hel	iotropism	(D) phototropism		
			11	1.6			
6.	_	f synthetic auxins is gene	-				
	(A) wee control			ancing root initi			
	(C) controlling of cell en	nlargement	(D) pre	venting the grov	vth of the lateral buds.		
7.	Gibberellic acid has bee	en successfully employed	d to indu	ce flowering			
	(A) in long day plants u	under short day condition	ns	(B) in short day	plants under long day conditions		
	(C) for some plants			(D) none of the	above		
8.	Cytokinins are known	to					
	(A) inhibit cytoplamic i		(C) hel	p in retention of	chlorophyll		
	(C) influence water mo		(D) promote abscission layer formation				
9.	Ethylene is a						
	(A) solid hormone	(B) gaseous enzyme	(C) gas	eous hormone	(D) liquid gas mixture		
10.	Pineapple an be made t	to flower if off season by					
	(A) zeatin	(B) ethylene	(C) tem	perature	(D) short days		
SURIE	ECTIVE QUESTIONS						
	SHORT ANSWER T						
V LICI							
1.	What do you mean by 1	receptors and effectors?	Name th	e different types	s of receptors.		
2.	Define hormones. Wha	t do you mean by phytol	homones	;?			
2	What do you mean by tropic and nastic movements? Give one example of each.						
3.	villat do you mean by t	nopic and hastic movem	ieius (G)	ve one example	oi eacii.		
4.	What are the functions	of nervous system?					
5.	What do you mean by J	photoperiodism?					

LONG ANSWER TYPE QUESTIONS

6.	Describe the forebrain of a mammal.							
7.	Write a short note a chemical co-or	rdinati	on in plants.					
8.	Dedifferentiate between endocrine	e and e	exocrine hormones. Write the cha	racterist	tics of hormones.			
9.	Mention the effects of sympathetic	and p	parayasympathetic nervous system	m on the	e following :			
	(i) Heart (ii)	i)	Urinary bladder	(iii)	Eye			
	(iv) Gastric secretions (v)	7)	Bronchi					
10.	Name the different type of hormones secreted by pituitary. Also mention their functions.							
11.	Draw a diagram of human brain and label the following part on it:							
	(i) Cerebrum (ii) Meninges (iii	ii) med	dulla oblongata (iv) Cerebellum					
					[CBSE Delhi 2005]			
12.	Draw a diagram of nervous system	n in an	insect. Label the following pars	on it				
	(i) Brain (ii) Ganglion (iii) Nerve	e Cord						
13.	Write the functions of hormone 'th	nyroxir	ne' in our body.		[CBSE Delhi 2004]			
14.	We suddenly withdraw our hand w	when a	a pin pricks. Name the type of re	sponse i	involved in this action.			
					[CBSE Delhi 2004]			
15.	Name the part of hind brain which	n takes	part in regulation of respiration.					

[CBSE Delhi 2004]



CONTROL & CO-ORDINATION

DAILY PRACTICE PROBLES # 10

OBJECTIVE QUESTIONS

1.	The effect of daily light	period on flowering is ca	alled				
	(A) photooxidation	(B) phototropism	(C) photoperiodism	(D) photorespiration			
2.	Brain stem is formed by	the union of					
	(A) optic lobes		(B) cerebellum with optic lobes				
	(C) corpora striate		(D) mid brain, ponsvarolli and medulla oblongata				
3.	Number of spinal nerve	es in man are					
	(A) 11 pairs	(B) 13 pairs	(C) 6 pairs	(D) 31 pairs			
4.	Third ventricle occurs is	n					
	(A) cerebrum	(B) cerebellum	(C) medulla oblongata	(D) diencephalon			
5.	The pineal body is cons	idered as					
	(A) an endocrine gland		(B) an organ concerned with voluntary actions				
	(C) an organ concerned	with vision	(D) a vestige of third eye and endocrine gland				

	Part of brain involved in interpretation, storage of information and initiation of response on the basis of								
	past experience is								
	(A) motor area	(B) cerebellum	(C) sensory area	(D) association area					
7.	Autonomic nervo	us system controls							
	(A) reflex action	(B) sense organs	(C) internal organs	(D) skeletal muscle					
8.	The study of nerv	ous system and its disorde	rs is called						
	(A) neurogenesis	(B) hematology	(C) neuroglia	(D) neurology					
9.	In reflex action the	e reflex arc is formed by							
	(A) brain \rightarrow spin	al cord \rightarrow muscles	(B) receptor \rightarrow spinal	$cord \rightarrow muscles$					
	(C) muscle \rightarrow rec	reptor → brain	(D) muscles \rightarrow spinal	$cord \rightarrow receptor$					
10.	The sensation of s	ight in human brain is per	ceived by						
	(A) optic lobe	(B) occipital lobe	(C) frontal lobe	(D) parietal lobe					
SUBJI	ECTIVE QUESTI	ONS							
VERY	SHORT ANSWI	ER TYPE QUESTIONS							
1.	Systematically rep	present the path of a reflex	action. From where it is co	ntrolled ?					
2.	What are the func	tions of the following endo	ocrine glands?						
	(i) Pancreas (i	i) Thyroid (iii)	Adrenal (iv) O	varies (v) Tastes					
3.	Name the parts of	endocrine system called a	s super master and master,	also write their functions.					
4.	Write a short note	Write a short note on electroencephalography (EEG).							
5.	Write a short note	on forebrain ?							
5.6.		e on forebrain ? een cerebrum & cerebellum	1.						

LONG ANSWER TYPE QUESTIONS

- **8.** Write a short note a nerves. Also write about the different types of nerves found in human body.
- 9. What is hypothalamus? Where it is situated? What are its main functions and secretions?
- **10.** Describe the structure of neuron with the help of a well lablled diagram.
- 11. Write down the source, site of action and functions of the following.
 - (i) Auxins
- (ii) Progesterone
- (iii) Thyroxin
- (iv) Ethylene
- (v) Insulin

- **12.** Write a short note on secretory nature of.
 - (i) Pancreas
- (ii) Liver
- (iii) Testes
- (iv) Ovaries
- (v) Adrenals
- **13.** Define 'nerve impulse'. Which structure in neuron helps to conduct a nerve impulse?
 - (i) Towards the cell body
- (ii) Away from the cell body

[CBSE, 2004]

14. Which hormone is responsible for the development of moustache and beard in men.

[CBSE, 2004]

- **15.** What is the difference between sensory and motor neurons. Which parts of human brain are responsible for auditory reception and sensation of smell?
- 16. Which type of glands in human body secrete hormone? State any one location for them. [CBSE, 2004]

ANSWERS

DAILY PRACTIVE PROBLESM # 9

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	С	В	Α	С	В	Α	Α	В	С	В

Qus.	1	2	3	4	5	6	7	8	9	10
Ans.	С	D	D	D	D	D	С	D	В	В



REPRODUCTON

DAILY PRACTIVE PROBLEMS # 11

OBJECTIVE QUESTIONS

1.	Cleistogamous condition is present in										
	(A) Brassica oleracea	(B) Solanum tuberosum	(C) Arachis hypogea	(D) Allium cepa							
2.	Which of the following reg	enerated with the help of layering	?								
	(A) Cactus	(B) Rose	(C) Mango	(D) Jasmine							
3.	Development of egg witho	ut fertilization is									
	(A) parthenocarpy		(B) polyembryo								
	(C) parthenogenesis		(D) adventive embryo	ny							
4.	Anemophily is pollination	by									
	(A) air	(B) water	(C) insects	(D) animal							
5.	Pollination between differen	ent flowers of same plant is called									
	(A) autogamy	(B) geitonogamy	(C) allogamy	(D) xenogamy							
6.	Double fertilization is										
	(A) fusion of two male gan	netes with egg									
	(B) fusion of one male gam	ete with egg and the other male ga	amete with the polar bodie	s							
	(C) both are correct										
	(D) both are incorrect										
7.	The structure meant for the	e nourishment of developing embr	ryo in case of plant is								
	(A) pollen tube		(B) endosperm								
	(C) both A & B are correct		(D) none of these								
8.	The embryo sac of a typica	l dicot at the time of fertilization is	s -								
	(A) 8 called	(B) 7 celled	(C) 6 called	(D) 5 celled							
9.	The genetic information is	stored in -									
	(A) DNA	(B) RNA	(C) Ribosome	(D) ER							
10.	Each female flower consist	of									
	(A) ovary		(B) stigma								
	(C) ovary, style and stigma	l.	(D) thalamus								

VERY SHORT ANSWER TYPE QUESTIONS

- **1.** What is reproduction?
- **2.** What is the basic requirement of sexual reproduction?
- 3. What is the difference between binary and multiple fission?
- **4.** What is a spore?

LONG ANSWER TYPE QUESTIONS

- **6.** What is budding? mention it's types.
- 7. What are accessory sex organs?
- **8.** What is gonad and what are it's functions?
- **9.** Define implantation.
- **10.** Differentiate between vas deferens and vasa efferentia.



REPRODUCTON

DAILY PRACTIVE PROBLEMS # 12

OBJECTIVE QUESTIONS

1.	In mammals, the testes	s lies in scrotal sacs due t	o				
	(A) presence of urinary	/ bladder	(B) presence of rectum				
	(C) long vas-deference		(D) requirement of low temper	ate for spermatogenesis			
2.	Graffian follicles are fo	ound in					
	(A) testis of mammas	(B) ovary of frog	(C) ovary of cockroach	(D) ovary of mammals			
3.	Site of fertilization in n	nammals is					
	(A) ovary	(B) uterus	(C) vagina	(D) fallopian tube			
4.	The process of reprodu	ıction which involves on	ly a single parent to form an indi	vidual			
	(A) sexual reproductio	n	(B) asexual reproduction				
	(C) none of these		(D) Both A & B are correct				
5.	Cowper's glands are fo	ound in					
	(A) male mammals	(B) female mammals	(C) male amphibians	(D) female amphibians			
6.	Loss of reproductive ca	apacity in women after a	ge of 45 years is				
	(A) menstruation	(B) ageing	(C) menopause	(D) menarche			
7.	Release of oocytes from	n ovary is					
	(A) gestation	(B) ovulation	(C) parturition	(D) implantation			
8.	Acrosome is made up	of					
	(A) mitochondria	(B) centrioles	(C) golgi bodies	(D) ribosomes			
9.	Acrosome aids the spe	rm to					
	(A) penetrate vitelline	membrane of ovum	(B) find ovum				
	(C) swim		(D) higher activity				
10.	Progesterone is secrete	d by					
	(A) corpus luteum	(B) thyroid	(C) thymus	(D) testis			

SHORT ANSWER TYPE QUESTIONS

- **1.** Why regeneration is considered to be a method of reproduction?
- 2. When an organism is called as bisexual, what does it indicate?
- **3.** Define fertilization.
- **4.** What happens to the ovule and the ovary after fertilization?
- **5.** Define the term puberty.

LONG ANSWER TYPE QUESTIONS

- **6.** What is name the sexual cycle in human females called? Explain the sexual cycle in human female.
- 7. What do you understand by gestation period and what is it's time duration?
- **8.** In case of self-pollination there are two possibilities. State them.
- **9.** What is the function of fallopian tube?
- **10.** What is semen?

ANSWER

DAILY PRACTIVE PROBLEMS # 11

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	C	D	С	A	В	В	В	В	A	С

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	D	D	D	В	A	С	В	С	A	A



HEREDITY & INHERITANCE

DAILY PRACTIVE PROBLEMS # 13

OBJECTIVE QUESTIONS

1.	When a red flower h	omozygous pea plant is crosse	ed with a white flower plan	nt what colour is produced in
	F ₁ ?			
	(A) Red	(B) White	(C) Pink	(D) Red and white
2.	Mendel formulated tl	he law of purity of gametes on	the basis of	
	(A) dihybrid cross	(B) monohybrid cross	(C) back cross	(D) test cross
3.	A cross between AaB	B X aa BB yields a genotypic ra	atio of	
	(A) 1 AaBB : 1 aaBB	(B) 1 AaBB: 3 aaBB	(C) 3AaBB: 1 aa BB	(C) All AaBb
4.	In monohybrid cross	what is the ratio of homozyg	ous dominant and homoz	ygous recessive individual in
	F ₂ - generation ?			
	(A) 1:2:1	(B) 2:1 / 1:2	(C) 3:1/1:3	(D) 1:1
5.	Back cross is a cross b	petween		
	(A) $F_1 \times F_1$	(B) $F_1 \times Recessive$	(C) $F_1 \times Dominant$	(D) $F_1 \times any parent$
6.	A white flowered mi	irabilis plant rr was crossed w	rith a red coloured RR, if 1	120 plants are produced in F ₂
	generation. The resul	t would be		
	(A) 90 uniformly colo	oured and 30 white	(B) 90 Non - uniform	ly coloured and 30 white
	(C) 60 Non-uniformly	y coloured and 60 white	(D) All coloured and	No white
7.	Which one caries extr	ra nuclear genetic material ?		
	(A) Plastids	(B) Ribosomes	(C) Chromosomes	(D) Golgi - complex
8.	The ratio of phenotyp	pe in F ₂ generation of a dihybri	id cross is	
	(A) 3:1	(B) 1:2:1	(C) 2:1	(D) 9:3:3:1
9.	Branch of biology dea	als with heredity and variation	n is called	
	(A) Palaentology	(B) Evolution	(C) Genetics	(D) Ecology
10.	The factors which rep	present the contrasting pairs of	characters are called	
	(A) Dominant	(B) Recessive	(C) Determinants	(D) Alleles
SUB	JECTIVE QUESTION	IS		
SHO	RT ANSWERT YPE	QUESTIONS		
1	What are autosomes	?		

- 1. What are autosomes?
- **2.** Name the four nitrogen bases of a nucleotide.
- **3.** Define the term genetics.

LONG ANSWER TYPE QUESTIONS

- **4.** What does the science of genetics deals with?
- **5.** Differentiate between submetacentric and metacentric chromosomes with diagram.
- **6.** Explain the structure of a gene.
- **7.** What is genetic engineering?
- **8.** Why did Mendel choose pea (Pisum sativum) for his experiment?



HEREDITY & INHERITANCE

DAILY PRACTIVE PROBLEMS # 14

OBJECTIVE QUESTIONS

	~						
1.	The main aim of plant	breeding is					
	(A) to produce improv	red varieties	(B) to make soil fertile	2			
	(C) to control pollution	າ	(D) to become more p	progressive			
2.	Plants having similar g	genotypes produced by	plant breeding are called	i			
	(A) clone	(B) haploid	(C) autopolyploid	(D) genome			
3.	Two allelic genes are le	ocated on					
	(A) the same chromoso	ome	(B) two homologous chromosomes				
	(C) two non-homologu	ıs chromosomes	(D) any two chromoso	omes			
4.	Mendel's law of segre	gation is based on separ	ation of allels during				
	(A) gamete formation	(B) seed formation	(C) pollination	(D) embryonic development			
5.	What is the effect of se	xual reproduction ?					
	(A) Offspring is weak		(B) Offspring is like th	ne parent			
	(C) Offspring is more	vigorous	(D) Offspring is diseased				

	(A) crossing a plant w	ith wild variety	(B) treating with colchicine	
	(C) crossing with horn	nones	(D) treating with low tempor	erature
7.	Heterozygous tall pla	nts were crossed with	dwarf plants, what will be t	he ratio of dwarf plants in the
	progeny			
	(A) 50%	(B) 25%	(C) 75%	(D) 100%
8.	A pure tall plant can b	e differentiated from a h	ybrid tall plant	
	(A) by measuring leng	th of plant		
	(B) by spraying gibber	rellins		
	(C) if all plants are tall	after self-pollination		
	(D) if all plants are dw	arf after self-pollination		
9.	Allel is the			
	(A) alternate trait of a	gene pair	(B) total number of genes for	or a trait
	(C) total number of ch	romosomes of haploid se	et (D) total number of genes p	present a chromosome
10.	In animals sex determ	ination is due to		
	(A) X-chromosome	(B) Y - chromosome	(C) A - chromosome	(D) B - chromosome

6.

SHORT ANSWER TYPE QUESTIONS

- **1.** What is karyotype?
- **2.** What is meant by chromosomes?
- **3.** Who is known as the father of genetics?
- **4.** What determines the functional property of a gene?

Disease resistant varieties can be produced by

5. What was transgenic organisms?

LONG ANSWER TYPE QUETIONS

- **6.** What does the law of segregation states?
- 7. What do you understand by the term nucleoside and nucleotide?
- 8. How it was established that genes are located on chromosomes?
- **9.** Explain the importance of variations.
- **10.** Explain the law of dominance.

ANSWERS

DAILY PRACTIVE PROBLEMS #13

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	A	В	A	D	D	В	A	D	C	D

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	A	A	В	A	С	A	A	С	A	В



OUR ENVIRONMENT

OB.	IECT.	IVE	OU	EST	TIONS	

1.	Ecosystem term was o								
	(A) Odum	(B) Mishra	(C) Reiter	(D) Tansley					
2.	Pyramids of biomass	are							
	(A) upright or inverte	d (B) always inverted	(C) mostly upright	(D) mostly inverted					
3.	Vultures in an ecosystem are								
	(A) predators	(B) scavengers	(C) consumers	(D) top carnivores					
4.	In which of the follow	ring trophic levels in any ecos	system the maximum energy	is stored ?					
	(A) Producers	(B) Herbivores	(C) Carnivores	(D) Top carnivores					
5.	In an ecosystem the								
	(A) primary producers are more than that of primary consumers								
	(B) secondary consum	ners are largest, because they	are powerful						
	(C) primary consume	rs are out of number							
	(D) primary consume	rs are least dependent upon p	orimary producers						
6.	In an ecosystem the function of the produces is to								
	(A) convert organic compounds into inorganic compounds								
	(B) trap solar energy and convert in into chemical energy								
	(C) utilize chemical energy								
	(D) release energy								
7.	The importance of eco	osystem lies in							
	(A) flow of energy	(B) cycling of materials	(C) both of the above	(D) none of the above					
8.	In other to maintain p	roper ecological balance							
	(A) the existing forest	s should be cleared and new	ones should be planted						
	(B) some quick growing	ng annuals should be planted	l if a tree must be cut for othe	er uses					
	(C) tree must be curt	whenever necessary because	the underground part perform	ms the useful purpose					
	(D) a tree should be p	lanted in place of one to be co	ıt						
9.	A biosphere is compo	sed of							
	(A) living organisms								
	(B) living organisms a	and lithosphere							
	(C) living organisms,	lithosphere and atmosphere							
	(D) living organisms,	lithosphere, atmosphere and	hydrosphere						
10.	Pyramid of energy in	a forest ecosystem is							
	(A) always inverted		(B) always upright						
	(C) both upright and	inverted	(D) first upright then i	nverted					

SHORT ANSWER TYPE QUESTIONS

- **1.** How is ozone formed in the stratosphere?
- **2.** What is the function of ozone layer?
- **3.** Write a note on ozone depletion.
- **4.** What is the significance of wildlife?
- **5.** What are fossil fuels?

LONG ANSWER TYPE QUESTONS

- **6.** What is ecosystem? Explain the food chain and food web.
- 7. Explain the different components of ecosystem.
- **8.** What is meant by management and conservation of natural resources?
- **9.** What is significance of biodiversity?
- 10. What is the name of the award given in honour of the movement started for protection of 'Khejri' trees?
- 11. Why is the management of forest and wildlife resource considered as a challenging task?

ANSWERS

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	D	A	В	A	A	В	С	D	D	В



ORIGIN AND EVOLUTION OF LIFE

OBJECTIVE QUESTIONS	•
---------------------	---

1.	Which one of these is likely to have been absent in free form at the time of origin of life?								
	(A) Oxygen	(B) Hydrogen	(C) Ammonia	(D) Methane					
2.	The famous book	"Origin of Species" was written	by Charles Darwin in						
	(A) 1809	(B) 1859	(C) 1885	(D) 1871					
3.	Charles Darwin to	oured in a ship for five years it wa	s						
	(A) Vikrant	(B) Phillips	(C) Alexander	(D) Beagle					
4.	The term evolution	n in Biology means that							
	(A) fossils are old		(B) life began in Sea						
	(C) living things of	onstantly change	(D) none of the abo	ve					
5.	(A) modification i(B) probability of i(C) Inheritance of	ural selection of Darwin to explain n organs through used and disuse reproduction, struggle for existend acquired characters sudden large variations, then inh	e ce and survival of the fitt	est					
6.	Homologus structures have								
2. 3. 4. 5. 6. 7.	· ·	& dissimilar function	(B) dissimilar origin	n but similar function					
		well as functionally similar	(D) normally non-fi						
7.	Analogous organs	are those which are							
	(A) structurally sin	milar	(B) functionally sim	nilar					
	(C) structurally as	well as functionally similar	(D) normally non-functional						
8.	The idea of "Survi	ival of fittest" was given by							
	(A) Darwin	(B) Herbert Spencer	(C) Lamarck	(D) Devries					
9.	Evolution is the be	est defined by							
	(A) inheritance of	acquired characters	(B) descent by modifications						
	(C) spontaneous g	eneration	(D) struggle for existence						
10.	Which one is not a	n vestigial organ in man ?							
	(A) Vermiform ap	pendix (B) Plica seminualris	(C) Ear muscles	(D) Epiglottis					

11.	Who wrote the "Origin of Species"?								
	(A) G.J. Mendel	(B) Lamarck	(C) De-Vries	(D) Charles Darwin					
12.	When as organ is used it will develop and it is not used, it weakens to become vestigial. Who could have said this theory?								
	(A) Darwin	(B) De-Vries	(C) Lamarck	(D) Mendel					
13.	Fossils are								
	(A) fovea in the retin	na of vertebrate eye	(B) remains of organisms presents in the rocks						
	(C) the fossa presen	t in the bones	(D) foramens through which nerves pass						
14.	An experiment to prove that organic compounds were the basis of life, was performed by								
	(A) Oparin	(B) Miller	(C) Melvin	(D) Fox					
15.	Connecting link bet	ween Reptiles and Birds is							
	(A) dimetrodon	(B) dodo	(C) archaeopteryx	(D) sphenodon					
16.	According to the Neo-Darwinian theory which of the following is responsible for the origin of new species?								
	(A) Mutations		(B) Useful variations						
	(C) Mutations toget	her with natural selection	(D) Hybridization.						
17.	Fossils are dated no	w by							
	(A) stratigraphic po	sition	(B) amount of calcium	n residue					
	(C) association with	other animals	(D) radioactive carbon contents						
18.	Nucleoprotein gave most probably the first sign of								
	(A) life	(B) amino acid	(C) soil	(D) sugar					
19.	According to one of the most accepted theory the earth atmosphere before any life has originated consisted								
	of water vapour, hydrogen, NH3 and								
	(A) methane	(B) nitrogen	(C) oxygen	(D) carbondioxide					
20.	Origin of life is due to								
	(A) spontaneous ger	neration	(B) God's will	(B) God's will					
	(C) effect of sun ray	s on mud	(D) chemical evolution	(D) chemical evolution					

SHORT ANSWER TYPE QUESTIONS

- 1. What are the different ways in which individuals with a particular trait may increase in a population?
- 2. Why are traits acquired during the life-time of an individual not inherited?
- 3. Why are the small numbers of surviving tigers are cause of worry from the point of view of genetics?

LONG ANSWER TYPE QUESTIONS

- **4.** Explain how sexual reproduction gives rise to more viable variations that asexual reproduction? How does this affects the evolution of those organisms that reproduce sexually?
- 5. How is the equal genetic contribution of male and female parents ensured in the progeny ?
- 6. Only variations that confer an advantage to an individual organism will survive in a population. Do you agree with this statement? Why or why not?

ANSWERS

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	A	В	D	C	В	A	В	A	В	D
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	D	С	В	В	С	С	D	A	A	D