

Samudra Devi Balika Vidyalaya

Grade – 10

Science - Ist Term Test

Time : 2 hrs.

I Part

* Answer all questions

² Under line the correct answer.

01. What is the part that can be seen only in plant cell ?
(i) Mitochondria (ii) Cell membrane
(iii) Cell wall (iv) Cytoplasm
02. The most suitable classification for all organism is ?
(i) Fungi , Algae , Virus , Bacteria
(ii) Plant , Animal , Micro – organism
(iii) Mammals , Fish , Birds , Reptilia , Amphibia
(iv) Coelenterata , Mollusca , Annelida , Arthropoda
03. Only one type of cells can be seen in
(i) Xylem (ii) Parenchyma
(iii) Phloem (iv) all above
04. Zea maize and Pavo Cristatus are the Scientific names used for
(i) Temple flower and Salalahiniya (ii) " Na " and Goldenoriath
(iii) Wheat and Peacock (iv) Waterfowl and Jungle Fowl
05. Select the tissue that store food and water at it's main function
(i) Sclerenchyma (ii) Collenchyma
(iii) Xylem tissue (iv) Parenchyma
06. Select the correct statement regarding smooth muscles ?
(i) Spindle shaped , striated , uninucleus
(ii) Spindle shaped , unstriated , uninucleus
(iii) Spindle shaped , unstriated , multinucleus
(iv) No Spindle shaped , unstriated , uninucleus
07. The function of the chloroplast is
(i) Supply raw material for the photosynthesis

- (ii) Supply water for the photosynthesis
 - (iii) Absorb energy from sunlight for the photosynthesis
 - (iv) Maintain the photosynthesis in a optimum level
08. What is the aquatic plant that used in the experiment which is done to identify the byproduct of photosynthesis
- (i) Valisnariya
 - (ii) Diya habarala
 - (iii) Hydrilla
 - (iv) Japan Jabara
09. Transporting food inside the plant is known as
- (i) Ascent of sap
 - (ii) Translocation
 - (iii) Mass flow
 - (iv) Diffusion
10. Spreading of particles from high concentration to low concentration is known as ?
- (i) Evaporation
 - (ii) Osmosis
 - (iii) Diffusion
 - (iv) Selective absorption
11. The size of the stomata opening controls by
- (i) Transpiration
 - (ii) The amount of water vapour in the atmosphere
 - (iii) Guard cells
 - (iv) Root pressure
12. What is the main method of transpiration that can be seen in a plant ?
- (i) Transpiration occur through cuticle
 - (ii) Transpiration occur through stem
 - (iii) Transpiration occur through stomata
 - (iv) All above
13. The place where the red blood cells are destroyed is ?
- (i) Spleen and Kidney
 - (ii) Liver and Spleen
 - (iii) Liver and Kidney
 - (iv) Bone marrow
14. Universal recipient of blood ?
- (i) A
 - (ii) B
 - (iii) O
 - (iv) AB
15. Dengue patients need ?
- (i) Blood plasma
 - (ii) Blood

(iii) Platelets

(iv) All above

16. Values of the heart function with the help of

(i) Cardiac muscles

(ii)

(iii) Coronary artery

(iv) Inter auricular ventricular septum

17. Lungs of humans are situated in

(i) Thoracic cavity

(ii) Abdominal cavity

(iii) Diaphragm

(iv) Non of the above

18. Food enters to stomach from oesophagus through the

(i)

(ii) cardiac splinter

(iii) epiglottis

(iv) Duodenum

19. After few hours of entering food in to stomach it turns in to a

It is known as ?

(i) Food bolus

(ii) digested food

(iii) Partially digested food

(iv)

20.

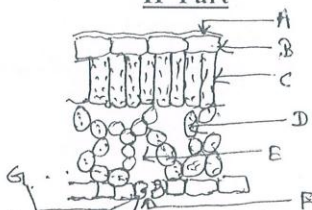
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II Part

* Answer all questions

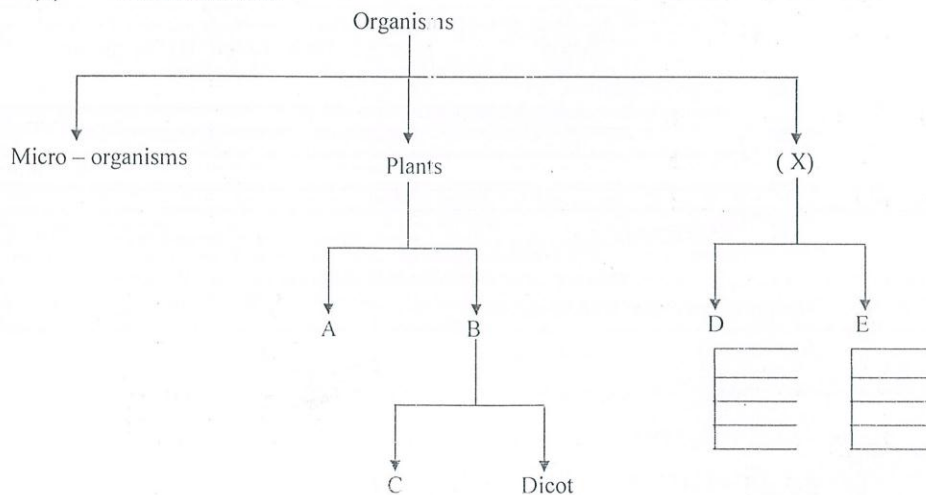
91. (A)



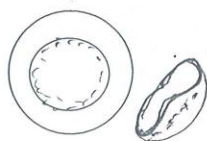
The above diagram shows the cross section of a leaf

- (i) Name A, B, C, D, E, F, G
- (ii) Write the balance equation relevant to the photosynthesis?
- (iii) The one of the main factor needed for the photosynthesis is situated inside the plant leaf. What is it?
- (iv) The factor mentioned in above III can be seen in some cells in the above diagram. Name two such type of cells?
- (v) Write the steps of removing factor mentioned in question III from the plant leaf. What is the reason of 1st step?
- (vi) Write 2 importance of photosynthesis?
- (vii) Write 4 adaptations shown by the plant to reduce transpiration.
- (ix) Write 2 differences between gutation and transpiration?
- (x) Draw and name the instrument that can be used to measure transpiration.

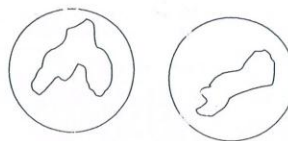
(B) Fill in the blanks



02. Following diagrams shows some cells that can be seen in blood



(A)

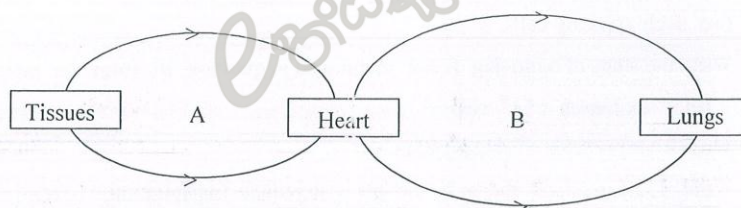


(B)



(C)

- (i) Name A , B and C
- (ii) Write the main function of A , B and C
- (iii) Write 2 main functions of blood
- (iv) Mention the steps of blood clotting ?
- (v) Write 2 differences between veins and Arteries ?
- (vi)



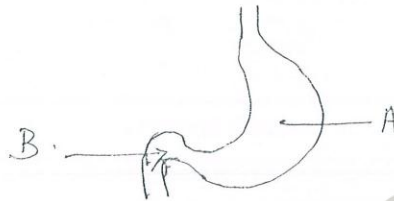
- (a) Name the blood circulation shown by A and B
 - (b) What is the reason for the lub - dub sound generated by heart ?
- (vii) Fill in the blanks

	Disease	Factor causes for the disease
(a)	Hemo Philiya	
(b)		reduce the amount of hemoglobin
(c)		Heart muscles stop working and eventually die:
(d)	Vericoseal	

- (i) Name the tissue that help to transport
 - (i) Water
 - (ii) Food
in side a plant

- (ii) Name the most important (main process) that help to transport of water with dissolved salts ?
- (iii) Write 2 factors help to maintain continuous water column inside the plant ?
- (iv) The process of transporting food inside the plant is called

(03)



The above diagram shows the part of a human digestive system

- (i) Name A and B ?
- (ii) Write 2 structural adaptations shown by A to assist the digestion
- (iii) Name 2 enzymes added to food from A and write the type of food digested by each of them ?
- (iv) B is a part of a small intestine. What are the other 2 parts belongs to the small intestine.
- (v) Name the juice that help to convert the foods into base contribution?
- (vi) What is the disease related to A ? Write 4 factors affect on this condition.
- (vii) Name 3 enzymes included in pancreatic juice. Write the digestion done by each enzymes.
- (viii) Write the places that are absorbed following nutrients ?
 - (i) Fatty acids
 - (ii) Glycerol
 - (iii) Glucose
 - (iv) Amino Acid
- (ix) What is called food digestion ?
- (x) Write the type of disease occur with in the following organs
 - (i) Appendix -
 - (ii) Small intestine -
 - (iii) Large intestine -