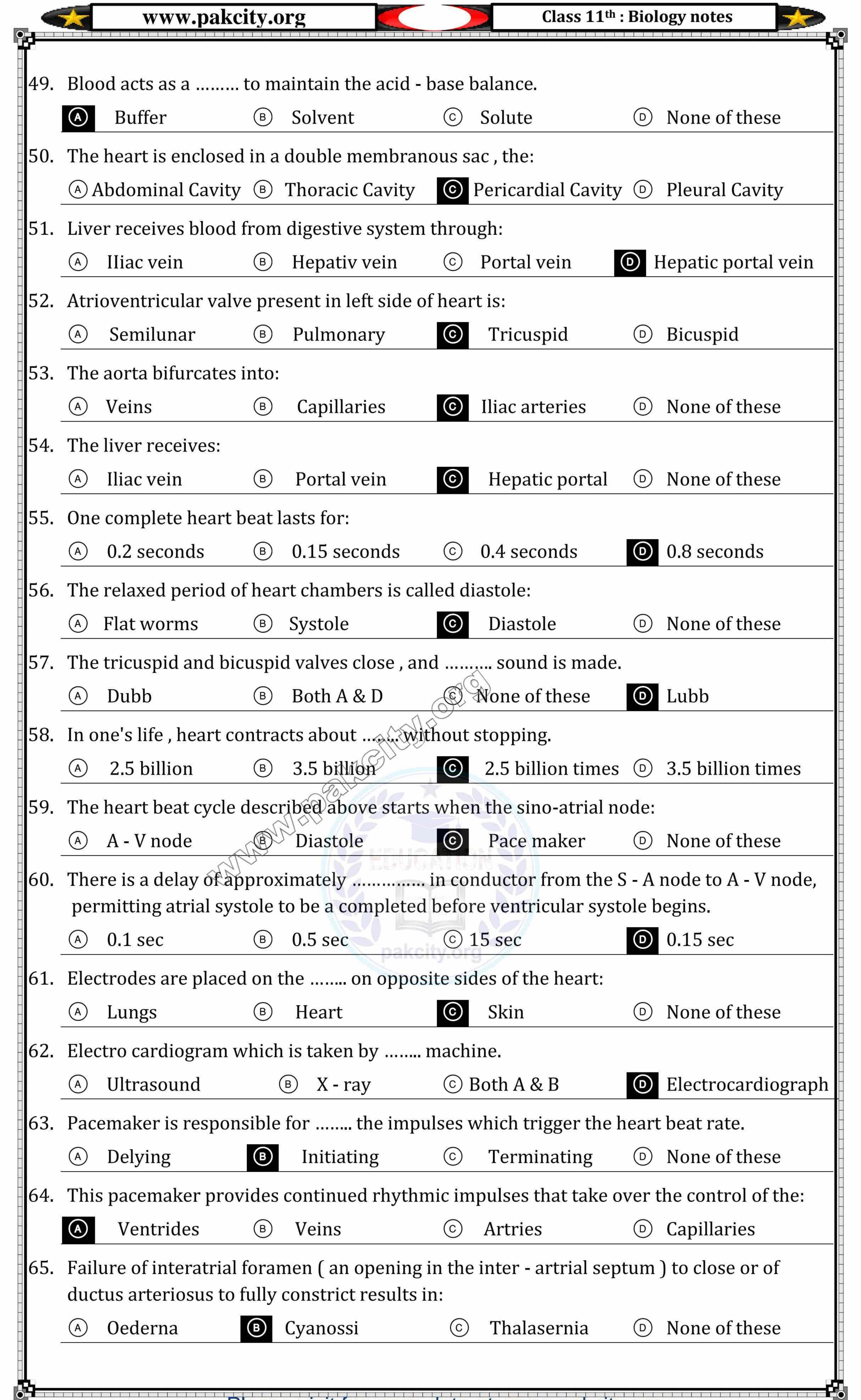
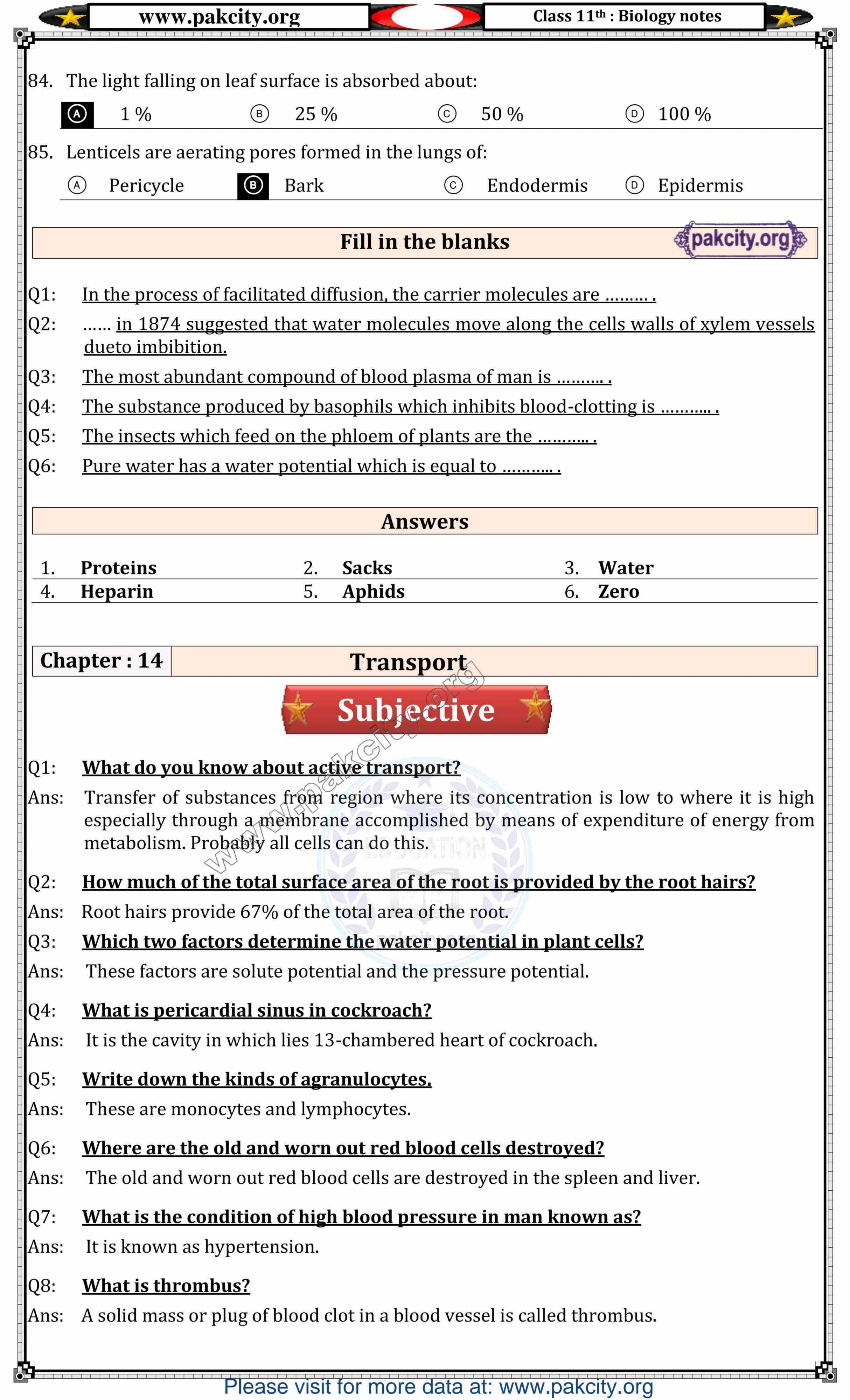


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|------|----------------|--|-------|---|
|      |                |  |       |   |
|      | A              | Gene therapy   | B     | B) Chemotherapy and cloning                 |
|      | (C)            | Radiotherapy and chemotherapy                                    | (0    | O Gene therapy                              |
| 17.  | The            | substance which inhibits blood clotting:                         |       |   |
|      | A              | Fibrin ® Albumin   | ©     | Heparin 🛈 Histamine                         |
| 18.  | Afte           | er a fatty meal , fat globules may make up                       | ).    |   |
|      |                |  |       | 1 % of the lymph ① 10 % of the lymph        |
|      |                |  | _     |   |
| 119. |                | e intercellular spaces in the walls of lymplood vascular system: | n ve  | essels are than those of the capillaries    |
|      | (A)            | Smaller B Larger   | (c)   | Both A & B D None of these                  |
|      |                |  |       |   |
| 20.  | Lyn            | nph nodes are present in the, axilla                             |       |   |
|      | (A)            | Legs B Chest region  | (C)   | Neck region D None of these                 |
| 21.  | The            | helps defend the body again foregi                               | ind i |   |
|      | (A)            | Heart<br>Lymphatic system  |       | Circulatory system  None of these           |
|      | W.BAN          | Lymphatic system   | (L    | None of these ** pakely.org                 |
| 22.  | <u>5=5</u>     | ibodies are produced from:                                       | _     |   |
|      | (A)            | Basophils ® Monocytes  | ©     | Eosinphils                                  |
| 23.  | Ant            | iserum is a serum containing:                                    |       |   |
|      | A              | Antibiotics  | ) An  | nticancer chemicals 🛈 Antigen               |
| 24.  | In c           | ell mediated response recognize ap                               | tigl  |   |
|      | A              | T - cells B - cells  | 0     | Lymphs Done of these                        |
|      |                |  |       |   |
| Z5:  |                | casparian strips are present in:                                 | (B    | Endodermis cells of roots                   |
|      | <b>©</b>       | Cells of phloem  Cortex cells of roots                           |       | Cells of pericycle                          |
| 26.  |                | mph most closely resembles with:                                 | TIC   | ONSON                                       |
|      | (A)            |  | ©     | Plasma D Blood                              |
| 27   |                |  |       | Tidoma O Dioda                              |
| Z/.  |                | dathodes are associated with:                                    | y.or  |   |
|      | (A)            | Transpiration (B) Conduction                                     | (C)   | None of these                               |
| 28.  | Acc            | ording to pressure flow theory, which of                         | the   | e following serves as sink:                 |
|      | A              | Stem B Leaves  | ©     | Roots D None of these                       |
| 29:  | Wh             | ich of the following is true about mamma                         | als?  |   |
|      | 20             | They do not have aortic arch                                     |       | They have right aortic are only             |
|      | NE             | They have left aortic each only                                  |       | They have left and right aortic arches      |
| 30.  |                |  |       | root hair cell to absorb minerals by active |
|      |                | nsport and enables a muscle cell to contr                        |       |   |
|      | (A)            | Excretion B Assimilation   | (C    |   |
| 31.  |                |  | tano  | ces to more across membranes without the    |
|      | ¥ <del>0</del> | enditure of cellular energy?                                     |       | Diffusion (C) Ni                            |
|      | <b>.</b>       | Active transport   Endocytosis                                   |       | Diffusion   None of these                   |
| 32.  | Car            | diac muscle can be distinguished from ot                         | her   | muscles fibres because cardiac muscle:      |

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|-----|--|---|------------------------------------|--|--|--|--|--|--|--|
|     | Lacks regular arrangement of sarcom     Has intercalated discs   | nas B Voluntary in accompany only accompany |                                    |  |  |  |  |  |  |  |
| 33. |  |   |                                    |  |  |  |  |  |  |  |
|     |  | ar © None of these                          | Dixon                              |  |  |  |  |  |  |  |
| 34. | Transpiration provides the necessary   | or force.                                   |                                    |  |  |  |  |  |  |  |
|     | (A) Tension (B) Energy   | © Pressure                                  | None of these                      |  |  |  |  |  |  |  |
| 35. | The total water pulled up in the leaves in plant in various activities.  | transpired , except abou                    | t which is used by                 |  |  |  |  |  |  |  |
|     | (A) 5 % (B) 2 %  | © 1%  | 10 %                               |  |  |  |  |  |  |  |
| 36. | Guard cells become turgid and stoma or p   | ore:  |                                    |  |  |  |  |  |  |  |
|     | (A) smal (B) Open  | © Close                                     | None of these                      |  |  |  |  |  |  |  |
| 37: | is incorrect about guard cells.  |   |                                    |  |  |  |  |  |  |  |
|     | Surrounding stoma  Connected to surrounding calls by   | Bean shaped                                 |                                    |  |  |  |  |  |  |  |
|     | Connected to surrounding cells by plasmodesmata  Description:  Descripti |   |                                    |  |  |  |  |  |  |  |
| 38. | The ions involved in the opening and clos  | ings of stomata are:                        |                                    |  |  |  |  |  |  |  |
|     | (A) Calcium (B) Magnesium  | © Sodium                                    | Potassium                          |  |  |  |  |  |  |  |
| 39. | Temperature causes closure of stomata:   |   |                                    |  |  |  |  |  |  |  |
|     | (A) 25 - 35 °C (B) 40 - 45 °C  | © 30 - 35 °C                                | © 30 - 40 °C                       |  |  |  |  |  |  |  |
| 40. | According to one hypothesis, stomata ope   |   |                                    |  |  |  |  |  |  |  |
|     | Nitrogen     B Sulphur   | Potassium                                   | © Sodium                           |  |  |  |  |  |  |  |
| 41. | Complex animals have evolved transport   |   |                                    |  |  |  |  |  |  |  |
|     | A Respiratory system & Excretory   | Circulatory system                          | m   None of these                  |  |  |  |  |  |  |  |
| 42. | A circulatory fluid is the:  (A) Hormones (B) Secretion  | © Blood                                     | Water                              |  |  |  |  |  |  |  |
| 1   |  |   | vvater                             |  |  |  |  |  |  |  |
| 43. | Passive immunity is developed by injecting   | Antiserum                                   | • Vaccine                          |  |  |  |  |  |  |  |
| 44  | The use of which stimulate the prod  |   |                                    |  |  |  |  |  |  |  |
|     | person immune.   | auction of antiboutes in t                  | and body, and making a             |  |  |  |  |  |  |  |
|     | Antibodies B Antigen   | © None of these                             | • Vaccines                         |  |  |  |  |  |  |  |
| 45. | Naturally induced immunity is also called  |   |                                    |  |  |  |  |  |  |  |
|     | A Passive immunity   Auto immune   | © Anti-serum                                | None of these                      |  |  |  |  |  |  |  |
| 46. | The plasma proteins maintain colloid osm   | otic pressure of the bloc                   | od:                                |  |  |  |  |  |  |  |
|     | A 28 % B 10 %  | © 75 %                                      | © 25 %                             |  |  |  |  |  |  |  |
| 47. | Gases and are transported by   | blood.                                      |                                    |  |  |  |  |  |  |  |
|     | (A) O and CaO <sub>2</sub> (B) O <sub>2</sub> and CaO  | © O <sub>2</sub> and CO                     | O <sub>2</sub> and CO <sub>2</sub> |  |  |  |  |  |  |  |
| 48. | Blood provides immunity by the:  |   |                                    |  |  |  |  |  |  |  |
| 1-2 | Rh factor     Iymphocytes  | © Both A & B                                | None of these                      |  |  |  |  |  |  |  |



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|-------------------|------|-----------------------|-------------------|--|----------------|-------------|-------------------|
|                   |      |                       |                   |  |                |             |                   |
| 66.               | The  | e babies with Cyar    | nosis is called:  |  |                |             |                   |
|                   | A    | Blue babies           | B Abnormal        | babies ©                               | Black babie    | es D        | None of these     |
| 67.               | The  | e renal vein brings   | s the impure blo  | od form:                               |                |             |                   |
|                   | A    | Lungs                 | B Kidney          | ©                                      | Liver          | D           | Brain             |
| 68.               | Vei  | ns are the blood v    | essels which tra  | nsport blo                             | od from body   | y cells tow | ards:             |
|                   | A    | Heart                 | B Liver           | ©                                      | Kidney         | D           | Brain             |
| 69.               | The  | e valves present in   | the veins are ca  | alled:                                 |                |             |                   |
|                   | A    | Aortic                | Bicuspid          |  | © Semi - lı    | ınar 💿      | Tricuspid         |
| 70.               | Но   | w much of the cyte    | oplasm of red bl  | ood cells h                            | ave haemogl    | obin:       |                   |
|                   | A    | 95%                   | B 97%             | ©                                      | 93%            | D           | 91%               |
| 71.               | He   | oatic portal vein c   | arries blood fror | n:                                     |                |             |                   |
|                   | A    | Lungs                 | B Alimentary      | y canal ©                              | Kidneys        | D           | Liver             |
| 72.               | Art  | erioslerosis cause    | es narrowing and  | l hardenin                             | g of:          |             |                   |
|                   | A    | Arteries              | B Capillaries     | ©                                      | Veins          | D           | None of these     |
| 73.               | The  | e capillaries are th  | e sites where th  | e material                             | are exchange   | ed betweei  | n the blood and:  |
|                   | A    | Kidney                | B Body tiss       | ues ©                                  | Liver          | D           | None of these     |
| 74.               | Cap  | oillaries join to for | m which j         | oin to forn                            | n veins.       |             |                   |
|                   | A    | Venules               | <b>B</b> Valves   |  | Arteries       | D           | None of these     |
| 75.               | A c  | ondition of high b    | lood pressure is  | known as:                              | t:             |             |                   |
|                   | A    | Arteriosclerosis      | B Hyperten        | sion ©                                 | Hypotensi      | on 💿        | Haemorrage        |
| 76.               |      | is a solid mass       | or plug of blood  | d constitue                            | nts (clot) in  | a blood ve  | essel.            |
| 185<br>185<br>185 | A    | Thrombus              | Haemorrh          | age ©                                  | Stroke         | D           | None of these     |
| 77.               |      | is the formatio       | n of thrombus.    |  |                |             |                   |
|                   | A    | Hypetension           | B Thrombo         | sis ©                                  | Both A & B     | (D)         | None of these     |
| 78.               | Blo  | ckage of blood ve     | ssel in the heart | is called:                             |                |             |                   |
|                   | A    | Both A & B            | B Heart attach    | ck © M                                 | lyocardialinf  | raction 🕞   | None of these     |
| 79.               | Cor  | ntrol blood pressu    | re by regular     | and                                    |                |             |                   |
|                   | A    | Walk and eat          | Walk and e        | xercise ©                              | Eat , sleep    | D           | None of these     |
| 80.               | Dis  | charge of blood fr    | om blood vessel   | is called a                            | s:             |             |                   |
|                   | A    | Haemorrhage           | B Thrombos        | sis ©                                  | Heart attac    | ck D        | Stroke            |
| 81.               | The  | e symptoms of the     | stroke vary dep   | ending on                              | the part of th | ne that     | has been damaged. |
|                   | A    | Heart                 | B Liver           | ©                                      | Brains         | D           | None of these     |
| 82.               | То   | avoid brain haem      | orrhage the       | must be c                              | ontrolled.     |             |                   |
|                   | A    | Heart rate            | B Health          | ©                                      | None of thes   | se D        | Blood pressure    |
| 83.               | In l | naemorrihage the      | loses its ela     | stiaty.                                |                |             |                   |
|                   | A    | Capillaric            | B Arteries        | ©                                      | Veins          | D           | None of these     |
|                   |      |                       |                   |  |                |             |                   |





Ans: It is named after an American Pediatrician, Thomas B Cooley who investigated on it.

Q10: How much water is found in human blood plasma?

Ans: The human blood contains about 90% of water.

Q11: Which veins bring blood from the legs?

Ans: The iliac veins bring blood from the legs.

Q12: What us haemorrhage?

Ans: The discharges of the blood from the blood vessels is called haemorrhage.

Q13: What us an antiserum?

Ans: The antiserum is serum, containing antibodies.

Q14: What are blood vessels?

Ans: The vessels in which blood flows are called blood vessels. There are three types of blood

vessels.

> Arteries.

Veins.

Capillaries.

Q15: Define osmotic or solute potential.

Ans: It is the component of water potential that takes into account the concentration of

solutes in the cell. It is represented by Ψs and is always negative.

Q16: Name the three main blood vessels of Earth-worm.

Ans: These are the dorsal vessel, the ventral vessel and the sub natural vessel.

Q17: What is the average life of red blood cell of man?

Ans: The average life of a red blood cell of a man is about 120 days (4 months).

Q18: Write a short note on heart attack.

Ans: Blockage of blood vessel in the heart by an embolus causes necrosis or damage to portion of heart muscles, a condition known as heart attack or technically myocardial

portion of heart muscles, a condition known as heart attack or technically myocardial infarction. Heart attack is due to disruption of control system of the heart with

accompanying arrhythmia, especially ventricular fibrillation.

Q19: Name the chambers of the human heart.

Ans: These are right and left atria and the right and left ventricles.

Q20: Which is the chief blood distributing vessel in man?

Ans: Aorta is the chief blood distributing vessel in man.

Q21: **Define immunity.** 

Ans: The ability of the living organisms to withstand harmful, foreign infective agents and

toxins is called immunity.

Q22: What are lacteals?

Ans: The branches of lymph capillaries within the villi of the intestine are called lacteals.

Q23: Define arteriosclerosis.

Ans: It is a degenerative arterial change associated with advancing age.



Q23: Describe lymphatic system. Also write down its various functions.

Q24: Write down the main functions of lymphatic system in human body. (v.imp)

Q25: Write a note on major types of immunity. (v.imp)

