Multiple Choice Questions - Each Question = 2 marks

1. Lesser omentum fixes stomach to -------- A) small intestine  B) heart  C) liver  D) kidney
2. Circular folds in small intestine are  A)villi     B) microvilli    C) plicae  D) haustra
3. The part of intestine formed of loose connective tissue with many blood vessels       A) serosa           B) muscularis externa               C) submucosa               D) mucosa
4. Disease or vaccination produces ------ immunity   A) active    B) passive   C) both    D) none of these
5. Immunological surveillance  A) cytotoxic cells   B) Helper T cells  C) NK cells  D) B cells
6. Allergic contraction of bronchioles results in A) Emphysema     B) asthma          C) lung cancer  D) none
7. Lymphatic ducts open into ----- veins    A) subclavian         B) superior vena cava      C) inferior vena cava     D) jugular
8. ------------------ the cartilages of larynx attached to vocal cords that make them move.  A) thyroid           B) arytenoid          C) cricoids         D) epiglottis
9. The residual volume of lungs is ---- mls      A) 150      B) 350      C) 500      D) 1200
10. Name the organ common to passage of food and air  A) mouth   B) pharynx   C) larynx   D) esophagus
11. Substrate of pepsin is  A) starch   B) fat  C) DNA   D) protein
12. Buffers the acidity of gastric food in duodenum A) pancreatic juice           B) intestinal juice           C) bile       D) all of these
13. Name the major site of digestion and absorption  A) esophagus  B) small intestine   C) large intestine   D) stomach
14. During swallowing of food, -------- covers nasopharynx A) uvula   B) epiglottis  C) thyroid  D) cricoid
15. Enzymes break up complex molecules by adding ------- to them  A) O₂         B) CO₂       C) H₂O          D) HCl
16. Most oxygen travels in blood combined to  A) myoglobin   B) H₂O   C) CO₂   D) hemoglobin
17. Arterial system has 1 but venous system has 2 ------ A) hepatic veins  B) brachiocephalic  C) carotids  D) subclavians
18. Left AV valve has ---- of flaps A) 1              B) 2            C) 3               D) 4
19. Exchange of gases takes place in A) alveoli     B) terminal bronchioles   C) bronchi       D) trachea
20. We do not digest        A) starch   B) proteins   C) lipids   D) vitamins
21. Contraction of heart is -------- and relaxation of heart is ------------ A) diastole, systole   B) systole, diastole  C) hypertension, hypotension       D) none of these
22. Ventricles contract due to action potential of -------- A) SA node  B) AV bundle   C) Purkinje fibers  D) AV node
23. Cardiac muscles have A) striations  B) intercalated discs  C) branched muscle fibers  D) all of these
24. Unusable yellow part of hemoglobin of worn-out cells is excreted as A) heme B) biliverdin C) bilirubin D) globin

25. Vitamin B and K are absorbed in A) stomach B) liver C) small intestine D) large intestine

26. Inflammatory response, interferons and phagocytes represent ----- line of defense A) 1st B) 2nd C) 3rd D) 4th

27. Cancer cells and virus infected cells are killed by A) monocytes, neutrophils B) natural killer cells, Cytotoxic cells C) macrophages, eosinophils D) eosinophils, basophils

28. Disease causing agents are called A) parasites B) pathogens C) pyrogens D) symbionts

29. Ring like broad posterior cartilage of larynx is A) thyroid B) arytenoid C) cricoids D) epiglottis

30. T-wave represents the A) atrial systole B) atrial diastole C) ventricular systole D) ventricular diastole

**Match the terms - Each Question = 1 marks**

| 31. Tubes without cartilaginous rings | A. Lymphoid organs |
| 32. Tubes with cartilaginous rings around them | B. stomach |
| 33. covered with serous membranes from outside | C. bronchioles |
| 34. Spleen, thymus, | D. esophagus |
| 35. Covered with adventitia | E. bronchi |

| 36. produce antibodies | A. pancreas |
| 37. HIV attacks them to compromise immunity | B. carotid |
| 38. Supply oxygen rich blood to head | C. liver |
| 39. secretes both enzymes and hormones | D. B-cells |
| 40. Secretes juice with no enzymes, needed for fat digestion | E. Helper T-cells |

**Small Answer Questions – Each Question = 3marks**

41. Explain systemic circuit.

42. Explain mechanism of breathing.

43. Give the role of stomach, in digesting food.

44. Define terms micelle, chylomicrons and emulsification.

45. Name parts of lymphatic system from lymphatic capillaries to their openings into veins. How much lymph is returned to venous system in 24 hours?
Completion Questions - 15 marks

46. Heart is covered by a double serous membrane, the  

47. White thin long stiff structures present in ventricles are  


49. 1st line of defense is formed by  and  and their secretions.

50. Inflammation is brought by  cells of blood and  cells of connective tissues.

51. In chronic smokers alveolar walls become inflexible and coalesce together, a condition called  

52. 70% of CO₂ travels in blood as , 23 % as , and 7% as  

53. is substrate of salivary amylase and is the substrate of lipase.

54. Bile is stored and concentrated in  

55. activates pepsinogen into pepsin.