

**Q.1. Which of the following is not a bone in the human body?**

- (a) Sternum
- (b) Humerus
- (c) Pericardium
- (d) Tibia

**Ans. c**

**Q.2. Rennin and lactase, the enzymes required to digest milk, disappear in the human body by the age of**

- (a) two
- (b) three
- (c) five
- (d) eight

**Ans. a**

**Q3. Duodenum is situated**

- (a) at the uppermost part of the small intestine
- (b) near the lungs
- (c) in the brain
- (d) at the tail end of the intestine

**Ans. a**

**Q.4. The heart is covered by a membrane called**

- (a) Epidermis
- (b) Dermis
- (c) Epicardium
- (d) Pericardium

**Ans. d**

**Q.5. About .....of the total calcium present in the human body is in the blood.**

- (a) 99%
- (b) 70%
- (c) 5%
- (d) 1%

**Ans. d**

**Q.6. Phenylketonuria is an example of an inborn error of metabolism. This 'error' refers to**

- (a) hormonal overproduction
- (b) non disjunction
- (c) atrophy of endocrine glands
- (d) inherited lack of an enzyme

**Ans. c**

**Q.7. As in the arms and legs, blood flows against gravity and is prevented from flowing back by**

- (a) the extremely low pressure of venous blood
- (b) valves
- (c) movements in the surrounding muscles
- (d) the narrowing down of the lumen of veins by the contraction of the muscle layer comprising their walls

**Ans. b**

**Q.8. Identical twins arise when two**

- (a) cells develop independently from the same zygote
- (b) gametes develop independently

- (c) sperms develop independently
- (d) ova develop independently

**Ans. a**

**Q.9. Element that is not found in blood is**

- (a) iron
- (b) copper
- (c) chromium
- (d) magnesium

**Ans. c**

**Q.10. Scratching eases itching because**

- (a) it kills germs.
- (b) it suppresses the production of enzymes which cause itching,
- (c) it removes the outer dust in the skin.
- (d) it stimulates certain nerves which direct the brain to increase the production of antihistaminic chemicals.

**Ans. d**

**Q.11. The gland, which in relation to body size is largest at birth and then gradually shrinks after puberty, is?**

- (a) Thyroid
- (b) Pituitary
- (c) Thymus
- (d) Adrenal

**Ans. c**

**Q.12. A human sperm may contain ?**

1. X-chromosome
  2. Y-chromosome
  3. XY-chromosome
- (a) 1 only
  - (b) 2 only
  - (c) 1 and 2
  - (d) 1, 2 and 3

**Ans. c**

**Q.13. Which of the following is not a bone in the legs of human body?**

- (a) Radius
- (b) Tibia
- (c) Femur
- (d) Fibula

**Ans. a**

**Q.14. Bleeding from artery is characterized by which of the following?**

1. Blood is red.
  2. Blood is purple.
  3. Bleeding is continuous.
  4. Bleeding is intermittent.
- (a) 1 and 3
  - (b) 2 and 3
  - (c) 1 and 4
  - (d) 2 and 4

**Ans. b**

**Q.15. Which of the following is not a vestigial organ?**

- (a) Centriole
- (b) Molar tooth
- (c) Appendix
- (d) Diaphragm

Ans. d

**Q.16. Which of the following bone articulations forms the gliding joint?**

- (a) Humerus and radius
- (b) Carpals
- (c) Hip girdle and femur
- (d) Skull & neck vertebrae

Ans. b

**Q.17. Pancreas secretes hormones which help in**

- (a) blood clotting
- (b) production of antibodies
- (c) growth of body
- (d) keeping sugar balance in body

Ans. d

**Q.18. S-A node of mammalian heart is known as**

- (a) Autoregulator
- (b) Pace-maker
- (c) Time controller
- (d) Beat regulator

Ans. b

**Q.19. Consider the following statements regarding blood pressure:**

1. It is the pressure exerted by the blood on the walls of any vessel.
2. It decreases in the arteries as the distance from the heart increases.
3. It is lower in the capillaries than in the arteries.
4. It is usually lower in women than in men.

Of these, the correct ones are

- (a) 1 and 4
- (b) 1, 2 and 3
- (c) 2, 3 and 4
- (d) 1, 2, 3 and 4

Ans. d

**Q.20. The hormone responsible for the secretion of milk in mothers, is?**

- (a) ACTH
- (b) Leutinizing hormone
- (c) Adrenalin
- (d) Lactogenic hormone

**Q.21. What is the correct sequence of the following in heart attack?**

1. Narrowing of the inner orifice of the vessel
2. 'Plaque' from fibrous tissue and high cholesterol
3. Inadequate supply of blood and oxygen
4. Clots of blood carried into the coronary arteries

- (a) 1,2,3,4
- (b) 2,4, 1,3
- (c) 2, 3, 1, 4
- (d) 4, 2, 1 3

Ans. b

**Q.22. Bile juice is secreted by**

- (a) Pancreas
- (b) Liver
- (c) Spleen
- (d) Gall bladder

**Ans. b**

**Q.23. Veins differ from arteries in having**

- (a) thinner walls
- (b) strong walls
- (c) narrower lumen
- (d) valves to control direction of flow

**Ans. d**

**Q.24. What is the main function of insulin in the human body?**

- (a) To maintain blood pressure
- (b) To help in digestion of food
- (c) To control the level of sugar in the body
- (d) To check the level of iodine in the body

**Ans. c**

**Q.25. An enzyme that works in an acidic medium is**

- (a) pepsin
- (b) trypsin
- (c) ptyalin
- (d) maltose

**Ans. a**

**Q.26. The blood pressure is the pressure of blood in**

- (a) arteries
- (b) veins
- (c) auricles
- (d) ventricles

**Ans. a**

**Q.27. The total number of bones in human skull are**

- (a) 8
- (b) 12
- (c) 30
- (d) 32

**Ans. c**

**Q.28. Which of the following glands controls the development of sex organs in humans?**

- (a) Pancreas
- (b) Thyroid
- (c) Adrenal
- (d) Pituitary

**Ans. d**

**Q.29. Oxygen is transported to every cell of the human body by?**

- (a) red blood cells
- (b) blood platelets
- (c) white blood cells
- (d) hormones

**Ans. a**

**Q.30. Which of the following components of blood protects human beings from infection?**

- (a) Plasma
- (b) Blood Platelets
- (c) Haemoglobin
- (d) White Blood Corpuscles

**Ans. d**

**Q.31. The normal temperature of the human body is**

- (a) 90 F
- (b) 98 F
- (c) 98.4 F
- (d) 96.4 F

**Ans. c**

**Q.32 .If a person can see an object clearly when it is placed at distance of about 25 cm away from him, he is suffering from**

- (a) myopia
- (b) hypermetropia
- (c) astigmatism
- (d) None of these

**Ans. d**

**Q.33. The blood pressure values of four persons are given below:**

1. Mrs.X-90/60
2. Mr.X-160/120
3. Mr. Y-120/80
4. Mrs.Y-140/100

**Who among the following has normal blood pressure?**

- (a) Mrs. Y
- (b) Mr. X
- (c) Mrs. X
- (d) Mr. Y

**Ans. d**

**Q.34. In the case of a 'Test-tube baby'?**

- (a) fertilization takes place inside the test tube.
- (b) development of the baby takes place inside the test tube.
- (c) fertilization takes place outside the mother body.
- (d) unfertilized egg develops inside the test tube.

**Ans. c**

**Q.35. Pituitary gland is present**

- (a) below the brain
- (b) above the brain
- (c) inside the brain
- (d) nowhere near the brain

**Ans. a**

**Q.36. Which of the following organs is used in the purification of blood in human body?**

- (a) Liver
- (b) Kidney
- (c) Spleen
- (d) Lungs

**Ans. d**

**Q.37. Cornea is a part of which of the following organs of human body?**

- (a) Eye
- (b) Ear
- (c) Nose
- (d) Heart

**Ans. a**

**Q.38. What is Funny Bone?**

- (a) A muscle
- (b) A nerve
- (c) A bone
- (d) A blood vessel

**Ans. b**

**Q.39. Man cannot digest cellulose whereas cows can do so because?**

- (a) their gut contains bacteria capable of digesting cellulose.
- (b) they have a many - chambered stomach.
- (c) they have efficient grinding molars.
- (d) they produce an enzyme cellulase which can digest cellulose.

**Ans. a**

**Q.40. Which of the following when taken by pregnant women, is found to be the cause of deformed children?**

- (a) Glycerol
- (b) Xylidine
- (c) Thalidomide
- (d) None of these

**Ans. c**

**Q.41. The diploid number of chromosomes in human body is ?**

- (a) 24
- (b) 40
- (c) 46
- (d) 48

**Ans. c**

**Q.42. The largest cell in the human body is**

- (a) Nerve cell
- (b) Muscle cell
- (c) Liver cell
- (d) Kidney cell

**Ans. a**

**Q.43. Lichens are formed due to the symbiotic association of**

- (a) moss and fungi
- (b) bacteria and fungi
- (c) algae and fungi
- (d) None of these

**Ans. c**

**Q.44. Insects form the largest class of animals living on land and sea. They are grouped into**

- (a) 22 orders
- (b) 26 orders

- (c) 29 orders
- (d) 32 orders

**Ans. c**

**Q.45. Which of the following statements is true for planktons?**

- (a) They live on the surface of lake water.
- (b) They live on the bottom of lakes.
- (c) They live on the plants growing in water.
- (d) They live in the water column.

**Ans. b**

**Q.46. Which of the following has the smallest egg?**

- (a) Ostrich
- (b) Humming bird
- (c) Pigeon
- (d) Homo sapiens

**Ans. c**

**Q.47. The population of which of the following is maximum on the earth?**

- (a) Reptiles
- (b) Fishes
- (c) Birds
- (d) Beetles

**Ans. d**

**Q.48. Poison glands of snakes are homologous to**

- (a) stings of rays
- (b) salivary glands of vertebrates
- (c) electric organs of fishes
- (d) sebaceous glands of mammals

**Ans. b**

**Q.49. The phylum chordata is characterized by the presence of**

- (a) spinal cord
- (b) notochord
- (c) nerve chord
- (d) None of these

**Ans. d**

**Q.50. Which of the following activities is suppressed by the presence of auxins in plants?**

- (a) Growth of lateral buds
- (b) Cell division
- (c) Root initiation
- (d) Development of fleshy fruits

**Ans. c**