

**Q.1. Hormones assist in which one of the following activities?**

- (a) Digestion of food
- (b) Activities of enzymes
- (c) Regulation of the body process (Correct)
- (d) Maintaining on optimum level of pH in the body

**Q.2. Urea and Uric acid are formed in the metabolism of**

- (a) Sugars
- (b) Fats
- (c) Proteins (Correct)
- (d) Minerals

**Q.3. The most highly contractile part of human body is**

- (a) Skin
- (b) Stomach
- (c) Urinary bladder
- (d) Iris (Correct)

**Q.4. Which one of the following is a tissue?**

- (a) Liver
- (b) Heart
- (c) Skin (Correct)
- (d) Blood

**Q.5. Which one of the following disease is hereditary?**

- (a) Anemia
- (b) Nephritis
- (c) Diabetes (Correct)
- (d) Night blindness

**Q.6. A man suffering from the bleeding of gums is advised to take**

- (a) Milk & carrot
- (b) Sufficient protein
- (c) Citrus fruit (Correct)
- (d) water

**Q.7. Our teeth & bone are made of mainly**

- (a) Calcium hydrogen phosphate
- (b) Calcium phosphate
- (c) Calcium sulphate

(d) None of these (Correct)

**Q.8. Gastric juice is produced in**

- (a) Mouth
- (b) Liver
- (c) Pancreas
- (d) Stomach (Correct)

**Q.9. The red blood cell in a human body die after about**

- (a) 150 days
- (b) 120 days (Correct)
- (c) 90 days
- (d) 157 days

**Q.10. Of the following organs in human body, largest is**

- (a) Kidney
- (b) Heart
- (c) Brain
- (d) Liver (Correct)

**Q.11. What is the approximate mean distance that separates the sun from the earth?**

- (a) 1600,90,000 kms
- (b) 1480,00,000 kms (Correct)
- (c) 1500,00,000 kms
- (d) 1890,70,000 kms

**Q.12. The outer surface of the sun is called?**

- (a) Thermosphere
- (b) Lithosphere
- (c) Ionosphere
- (d) Photosphere (Correct)

**Q.13. Which planet has the maximum number of satellites?**

- (a) Mars
- (b) Mercury (Correct)
- (c) Venus
- (d) Jupiter

**Q.14. What is a light year?**

- (a) The year marked by extraordinary amount of radiation of sleight

- (b) The year marked by the extraordinary less amount of radiation of sunlight reaching the earth due to protracted cloudy weather on earth making that year lighter than the normal
- (c) The year in which the sun radiates more light making one complete extra day in February
- (d) The distance travelled by light in 01 year. (Correct)

**Q.15. What are Red Giants?**

- (a) Stars which appear red because of their consuming a portion of their hydrogen. (Correct)
- (b) The cluster of giant sized stars visible near mars
- (c) Stars which consume some of their oxygen and thus appear red due to lack of O<sub>2</sub>
- (d) Powerful communist countries.

**Q.16. What are asteroids?**

- (a) Piece of falling stases
- (b) Satellite of other planets
- (c) Very small planet revolving around the sun
- (d) Rocks found on the moon

**Q.17. What is the temperature at the centre of the sun?**

- (a) 6 million k
- (b) 10 million k
- (c) 12 million k
- (d) 20 million k (Correct)

**Q.18. The phase of moon are partially the result of the?**

- (a) Changes in the shape of the moon
- (b) Revolution of the moon about the earth (Correct)
- (c) Variation in the moon's gravitation
- (d) Variation in the speed of rotation of the moon

**Q.19. Constellations referred to as Zodiac are?**

- (a) Imaginary region that encompass the path of the planets (Correct)
- (b) Signs of Roman god
- (c) A group of stars
- (d) None of these

**Q.20. The height of a geo-stationary satellite from the surface of the earth is about?**

- (a) 360 km
- (b) 3600 km (Correct)
- (c) 23000 km
- (d) 360,000 km

**Q.21. Which of the following explain the reasons why there is no total eclipse of the sun?**

- (a) Area of the sun covered by the moon (Correct)
- (b) Direction rotation around the sun
- (c) Orbit of moon around the sun
- (d) Size of earth in relation to that of moon

**Q.22. The instrument used to measure the specific gravity of milk is?**

- (a) Barometer
- (b) Hygrometer
- (c) Lactometer (Correct)
- (d) None of these

**Q.23. The internal antenna of transistor set is made of?**

- (a) Iron
- (b) Ferrer Chrome (Correct)
- (c) Copper
- (d) Alnico

**Q.24. Gerontology is the study of?**

- (a) Process of ageing (Correct)
- (b) Growth of cells
- (c) Birds
- (d) Vegetables

**Q.25. Helium is used for respiration in deep water instead of nitrogen because**

- (a) It is heavier than nitrogen (Correct)
- (b) It is higher than nitrogen
- (c) It mixes less in blood than nitrogen
- (d) It helps oxygen to burn more quickly

**Q.26. In a fluorescent tube which of the following components are found?**

- (a) Mercury vapour (Correct)
- (b) Argon and carbon dioxide
- (c) Helium and oxygen
- (d) Argon and neon

**Q.27. The common ore of aluminium is?**

- (a) Chromite` (Correct)
- (b) Cryolite
- (c) Bauxite

(d) Monazite

**Q.28. When one enters a dark room, he is not able to see anything but, after sometime vision improves. This is because?**

- (a) The retina of the eye comes forward
- (b) The retina of the eye moves backward
- (c) The pupil of the eye contracts
- (d) The pupil of the eye dilates (Correct)

**Q.29. Radio carbon dating is used to find the age of?**

- (a) Fossils (Correct)
- (b) Building
- (c) Rocks
- (d) Babies

**Q.30. What is periscope used for?**

- (a) To survey the ships on the surface of the sea when the submarine is under water (Correct) (Correct)
- (b) To extinguish fire
- (c) To measure purity of milk
- (d) None of the above

**Q.31. Seismology is the science of?**

- (a) Silkworm breeding
- (b) Earthquakes (Correct)
- (c) Atmospheric phenomenon
- (d) Study of fossils

**Q.32. The source of solar energy is?**

- (a) Light energy
- (b) Gravitational energy
- (c) Kinetic energy of rotation of sun
- (d) Nuclear energy (Correct)

**Q.33. If an object is placed midway between two parallel plane mirrors facing each other, then the number of images that appear in mirrors is**

- (a) Four
- (b) Infinite (Correct)
- (c) Two
- (d) Zero because the images will cancel each other

**Q.34. In vacuum, What will be common among X rays visible light, radio waves**

- (a) Amplitude (Correct)
- (b) Frequency
- (c) speed
- (d) wavelength

**Q.35. Barometer is used to measure**

- (a) Atmospheric pressure (Correct)
- (b) Humidity
- (c) Rainfall
- (d) Temperature

**Q.36. If u use a microscope to watch smoke particles in still air, you will see them moving about all the time. This phenomenon is called?**

- (a) Brownian movement (Correct)
- (b) Osmosis
- (c) Tyndall effect
- (d) Diffusion

**Q.37. The mass of a neutron is approximately**

- (a) Equal to the mass of proton (Correct)
- (b) Three times the mass of a proton
- (c) Twice the mass of a proton
- (d) Zero

**Q.38. The spherical shape of rain drops is due to**

- (a) Atmospheric friction of air (Correct)
- (b) brevity of spherical earth
- (c) Surface tension of rain water
- (d) Viscosity of rain water

**Q.39. Galvanometer is an instrument**

- (a) For measuring volume change in chemical reactions btw gases
- (b) For measuring currents of small magnitude (Correct)
- (c) Which prints automatically messages sent from one place to another
- (d) For recording high temperature from a distance

**Q.40. Which of the following has highest frequency?**

- (a) Gamma rays (Correct)
- (b) Microwaves

- (c) Light waves
- (d) Radio waves

**Q.41. If an iron is marked 750 watts by 250 volts, then it was designated to take a current of**

- (a) 3 Amperes (Correct)
- (b) 9 Amperes
- (c) 6 Amperes
- (d) 15 Amperes

**Q.42. The blue colour of the sky is due to**

- (a) Polarization of light
- (b) Scattering of light (Correct)
- (c) Reflection of light
- (d) None of these

**Q.43. Geiger counter is an instrument**

- (a) Determine the heart beat rate
- (b) To detect radioactive radiation (Correct)
- (c) To measure intensity of visible light
- (d) To count the baggage of an airport

**Q.44. When we are looking at a rainbow in front of us, The sun must be**

- (a) High in the sky and is located either on our right or left (Correct)
- (b) In front of us
- (c) Behind us
- (d) None of these

**Q.45. When as the satellite is in the geostationary orbit, its**

- (a) Orbital distance is equal to the radius of the earth (Correct)
- (b) Acceleration is zero
- (c) Orbital period is about 24 hours
- (d) Angular velocity is zero

**Q.46. The most intense man-made light source is**

- (a) Master (Correct)
- (b) Laser
- (c) Mercury Vapour Lamp
- (d) Light emitting diode LED)

**Q.47. How many calories will be needed to raise the temperature of 10 grams of water from 200**

**to 3000?**

- (a) 1 (Correct)
- (b) 10
- (c) 100
- (d) 200

**Q.48. The branch of biological science " Ecology " deals with the study of**

- (a) Plants in relation to their environment
- (b) Animals in relation to plants (Correct)
- (c) All living things in relation to their environment
- (d) Animals in relation to their environment

**Q.49. The film of oil and soapy water owe their brilliant colours to a combination of light reflection and**

- (a) Refraction (Correct)
- (b) Polarization
- (c) Diffraction
- (d) Interference

**Q.50. The solar ultraviolet rays do not harm living organism because**

- (a) The ozone layer of the atmosphere weakens them (Correct)
- (b) They are weak rays
- (c) They have to pass through a thick column of the atmosphere
- (d) The atmospheric nitrogen dilutes them

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