

Physics

GENERAL SCIENCE

- What level of noise, is called 'Noise pollution' ?
(a) 80 decibel (b) 100 decibel (c) 120 decibel (d) 140 decibel
- Which of the following options correctly explains the term 'heat budget' ?
(a) It is the radiation from the earth in the form of long waves.
(b) It is a mode of transfer of heat through matter by molecular activity.
(c) It is the balance between incoming and outgoing radiation.
(d) It is the amount of heat which the surface of earth receives from the sun.
- Burns caused by steam are much more severe than those caused by boiling water because:
(a) Temperature of steam is higher
(b) Steam is gas and engulfs the body quickly
(c) Steam has latent heat
(d) Steam pierces through the pores of body quickly
- MRI stands of—
(a) Magnets Resonant Imaging
(b) Magnetic Resonance Imaging
(c) Magnetic Radar Imaging
(d) Magnets Radial Image
- Setting sun and rising sun appears red due to—
(a) Scattering Light
(b) Dispersion of Light
(c) Reflection of Light
(d) Refraction of Light
- Which of the following is not an use of Indian Remote Sensing Satellites ?
(a) To Ground water survey
(b) To measure surface temperature
(c) To prepare wastland maps
(d) To Provide T. V. services
- The working principle of a washing machine is—
(a) Centrifugation
(b) Dialysis
(c) Reverse Osmosis
(d) Diffusion
- Who among the following anticipated Newton by declaring that all things gravitate to the earth ?
(a) Aryabhata (b) Varahamihira (c) Buddhagupta (d) Brahamagupta
- Which of the following has negative value of coefficient of thermal expansion ?
(a) Wood (b) Iron
(c) Copper (d) Aluminium
- Which of the following statement is wrong ?
(a) Sound travels in straight line
(b) Sound is a form of energy
(c) Sound travels in the form of waves
(d) Sound travels faster in vacuum than air
- In respect of the difference of the gravitational force from electric and magnetic forces, which one of the following statements is true ?
(a) Gravitational force is stronger than the other two
(b) Gravitational force is attractive only, whereas the electric and the magnetic forces are attractive as well as repulsive
(c) Gravitational force has a very short range
(d) Gravitational force is a long range force, while the other two are short range forces
- Creation of something from nothing is against the law of—
(a) constant proportions
(b) conservation of mass energy
(c) multiple proportions
(d) conservation of momentum
- An electron and a proton are circulating with same speed in circular paths of equal radius. Which one among the following will happen, if the mass of a proton is about 2,000 times that of an electron ?
(a) The centripetal force required by the electron is about 2,000 times more than that required by the proton
(b) The centripetal force required by the proton is about 2,000 times more than that required by the electron
(c) No centripetal force is required for any charged particle
(d) Equal centripetal force on both the particles as they rotate in the same circular path
- A person standing 1 m in front of a plane mirror approaches the mirror by 40 cm. The new distance between the person and his image in the plane mirror is—
(a) 60 cm (b) 1.2 m
(c) 1.4 m (d) 2.0 m
- An object is raised to a height of 3 m from the ground. It is then allowed to fall on to a table 1 m high from ground level. In this context, which one among the following statements is correct ?
(a) Its potential energy decreases by two-thirds its original value of total energy
(b) Its potential energy decreases by one-third its original value of total energy
(c) Its kinetic energy increases by two-thirds, while potential energy increases by one-third
(d) Its Kinetic energy increases by one-third, while potential energy decreases by one-third
- Two pieces of conductor of same material and of equal length are connected in series with a cell. One of the two pieces has cross-sectional area double that of the other. Which one of the following statements is correct in this regard ?
(a) The thicker one will allow stronger current to pass through it
(b) The thinner one would allow stronger current to pass through it
(c) Same amount of electric current would pass through both the pieces producing more heat in the thicker one
(d) Same amount of electric current would pass through both the pieces producing more heat in the thinner one
- A wire-bound standard resistor uses manganin or constantan. It is because—
(a) these alloys are cheap and easily available
(b) They have high resistivity
(c) They have low resistivity
(d) They have resistivity which almost remains unchanged with temperature
- In an observation, α -particles, β -particles and γ -rays have same energies. Their penetrating power in a given medium in increasing order will be—

- (a) o, p, Y (b) P, Y, a
(c) OCY, P (d) P, a, Y
19. A metallic plate sticks firmly on the mouth of a water vessel made from another metal. By way of heating, one can detach the plate from the vessel. This is because heat expands—
 - (a) the vessel only
 - (b) both the vessel and the plate equally
 - (c) the vessel more than the plate
 - (d) the vessel and contracts the plate
 20. Electricity is produced through dry cell from—
 - (a) Chemical energy
 - (b) Thermal energy
 - (c) Mechanical energy
 - (d) Nuclear energy
 21. Addition of excessive amounts of heat to a lake is referred to as :
 - (a) Heat Bloom
 - (b) Refrigeration effect
 - (c) Green House effect
 - (d) Thermal pollution
 22. A person can jump higher on the moon's surface than on the earth because:
 - (a) the moon has no atmosphere
 - (b) the moon's surface is rough
 - (c) the acceleration due to gravity in moon is smaller than that on the earth.
 - (d) The Moon is cooler than earth
 23. The apparent weight of a man in a lift is less than the real weight when :
 - (a) the lift is going down with uniform speed
 - (b) the lift is going down with an acceleration
 - (c) the lift is going up with an acceleration
 - (d) the lift is going up with uniform speed
 24. The purpose of choke in a fluorescent lamp is :
 - (a) to decrease the voltage momentarily
 - (b) to increase the current flow
 - (c) to decrease the resistance
 - (d) to decrease the current
 25. A fuse is used in an electric circuit to
 - (a) break the circuit when excessive current flows through the circuit
 - (b) break the circuit when power gets off
 - (c) indicate it the current is flowing uninterrupted
 - (d) complete the circuit for flow of current
 26. Planet A has double the radius than that of the Planet B. If the mass of Planet A is 4 times heavier than the mass of planet B, which of the following statements regarding weight of an object is correct ?
 - (a) Heavier on Planet A than on Planet B
 - (b) Heavier on Planet B than on Planet A
 - (c) Same on both the Planets
 - (d) Cannot be measured on Planet B
 27. Sound waves are similar to the waves
 - (a) of laser light passing through air
 - (b) generated in a stretched wire by hitting or plucking the wire
 - (c) generated in a pipe filled with air by moving the piston attached to the pipe up and down
 - (d) Generated by the mobile phone towers
 28. When looking at an image formed by a convex lens (one half of the lens is covered with a black paper) which one of the following will happen to the image ?
 - (a) Half of the image will be visible
 - (b) Intensity of the image will be diminished
 - (c) Image will be inverted now
 - (d) One can see an image of smaller size.
 29. The temperature of water at the bottom of a lake whose upper surface has frozen to ice would be around
 - (a) -10°C
 - (b) 0°C
 - (c) 4°C
 - (d) -4°C
 30. Van de Graaf generator is used for
 - (a) accelerating charged particles
 - (b) generating large currents
 - (c) generating electric field
 - (d) generating high-frequency voltage
 31. A passenger in a moving train tosses a coin upward which falls behind him. It implies that the motion of the train is
 - (a) accelerated
 - (b) uniform
 - (c) retarded
 - (d) along the circular tracks
 32. Superconductivity
 - (a) very feeble current
 - (b) very large current
 - (c) current without facing any resistance
 - (d) current due to positive particles
 33. Angular momentum is equal to
 - (a) moment of inertia angular velocity
 - (b) mass angular velocity
 - (c) linear velocity angular velocity
 - (d) mass linear velocity
 34. In photoelectric emission, the energy of emitted electron is
 - (a) same as that of incident photon
 - (b) larger than that of incident photon
 - (c) less than that of incident photon
 - (d) proportional to the intensity of incident light
 35. Tape recorder records sounds in the form :
 - (a) Sound waves
 - (b) Electrical energy
 - (c) Magnetic energy
 - (d) Variable resistance
 36. If the earth stops rotating, the apparent value of 'g' on its surface will
 - (a) increase at some places and remain the same at other places
 - (b) increase everywhere
 - (c) decrease everywhere
 - (d) remain the same everywhere
 37. The motion of the wheels of a bullock-cart while moving on the road is an example of
 - (a) Oscillatory and rotatory motion
 - (b) Oscillatory and translatory motion
 - (c) Translatory and rotatory motion
 - (d) Translatory motion only
 38. According to special theory of relativity, the mass of a particle
 - (a) increases with increase in velocity with respect to an observer
 - (b) decreases with increase in velocity
 - (c) decreases with decrease in velocity
 - (d) is independent of its velocity
 39. Relative humidity is expressed as (a) Grams (b) Kilograms (c) Percentage (d) Ratio
 40. Tesla is a unit of
 - (a) Flux
 - (b) induction
 - (c) moment
 - (d) field
 41. Sir C.V. Raman was awarded Nobel Prize for his work
 - (a) Light scattering
 - (b) Radio activity
 - (c) Cryogenics
 - (d) Sonometer
 42. The threshold frequency is the frequency below which
 - (a) photo current increases with voltage
 - (b) photo current decreases with voltage
 - (c) photo electric emission is not possible
 - (d) photo current is constant
 43. During short-circuiting, the current flowing in the electrical circuit
 - (a) reduces substantially
 - (b) does not change
 - (c) increases instantaneously
 - (d) varies continuously
 44. Consider the following statements :
A real image
 1. can be formed on a screen
 2. is always magnified and inverted.
 Which of the statements given above is/are correct ?
 - (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
 45. If a scientist reads an ambient temperature 273 K in the laboratory, what will a doctor's thermometer read it ?
 - (a) 0, degree Fahrenheit
 - (b) 32 degrees Fahrenheit
 - (c) 99 degrees Fahrenheit
 - (d) -100 degrees Fahrenheit

46. The weight of any object is felt due to gravity of Earth. When any object goes inside the Earth or above the Earth, weight decreases. It will weigh minimum when an object is placed at
- The Equator and Moon
 - North Pole and Saturn
 - South Pole and 1 Km beneath the Earth
 - Centre of Earth and in a orbiting satellite
47. According to the principle of energy conservation, when a piston in an automobile engine compresses the gas in a cylinder, which of the following must occur ?

- Kinetic energy of gas must increase
 - The gas must undergo a change of state
 - The gas must undergo a chemical change.
 - None of the above
48. When a body is executing simple harmonic motion and passes through the mean position, it has
- Maximum kinetic energy and minimum potential energy
 - Both kinetic energy and potential energy minimum
 - Both kinetic energy and potential energy maximum

49. (d) Minimum kinetic energy and maximum potential energy Atomiser works on the principle of
- Avogadro's hypothesis
 - Pascal's law
 - Bernoulli's theorem
 - Ideal gas equation
50. A Tachometer is a device used to
- gravitational pull
 - speed of rotation
 - surface tension
 - dispersive power

Answer Sheet

1.	(a)	2.	(c)	3.	(c)	4.	(b)	5.	(a)	6.	(d)	7.	(a)	8.	(d)	9.	(a)	10.	(d)
11.	(b)	12.	(b)	13.	(b)	14.	(b)	15.	(a)	16.	(a)	17.	(d)	18.	(a)	19.	(c)	20.	(a)
21.	(d)	22.	(c)	23.	(b)	24.	(d)	25.	(a)	26.	(c)	27.	(c)	28.	(b)	29.	(c)	30.	(a)
31.	(a)	32.	(0)	33.	(a)	34.	(a)	35.	(0)	36.	(a)	37.	(0)	38.	(a)	39.	(0)	40.	(d)
41.	(a)	42.	(?)	43.	(0)	44.	(a)	45.	(b)	46.	(d)	47.	W	48.	W	49.	(c)	50.	(b)

Chemistry

- Which of the following gases, is primarily present in 'Biogas' ?
(a) Methane (b) Chlorine
(c) Helium (d) Nitrogen
- The temperature on which any hard object is transformed into liquid form is called
(a) Evaporation (b) Melting point (c) Sublimation (d) Plasma
- Ultra purification of a metal is done by:
(a) leaching (b) Zone melting
(c) Slagging (d) Smelting
- Radioactivity was discovered by : (a) Becquerel (b) Rutherford (c) Soddy (d) Curie
- The two specific heats of gases are related by:
(a) $C_p - C_v = R$ (b) $C_p - C_v = R$ (c) $C_p - C_v = RJ$ (d) $C_p + C_v = RJ$
- Which among the following is the sweetest sugar ?
(a) maltose (b) glucose
(c) fructose (d) lactose
- Which of the following particles has the dual nature of particle-wave ?
(a) Meson (b) Neutron
(c) Electron (d) Proton
- Muddy water is treated with alum in purification process, it is termed as : (a) coagulation (b) emulsification (c) absorption (d) adsorption
- To make rubber strong and bounceable, we add—
(a) Sodium (b) Sulphuric acid
(c) Sulphur (d) None of these
- Which of the following pair is incorrectly matched ?

- Bauxite—Aluminium
 - Magnetite—Magnesium
 - Gelena—Lead
 - Chalcocite—Copper
11. Which of the following is a diamagnetic substance ?
(a) Iron (b) Copper
(c) Lead (d) Silver
12. Ordinary Glass is—
(a) Sodium Silicate
(b) Calcium Silicate
(c) Sodium and Calcium Silicate
(d) Mixed salt of sodium and calcium
13. Soft drinks and baby feeding bottles are generally made up of—
(a) Polystyrene (b) Polyurethane (c) Polyurea (d) Polyamide
14. Consider the List-I and List-II :
List-I
(A) Sublimation (B) Condensation (C) Evaporation (D) Boiling
List-II
(Process)
- Conversion of gas/vapours to Liquid state
 - Conversion of liquid into gases
 - Conversion of solids to gaseous state
 - Conversion of liquid to gaseous state

(B	(C	(D
)))
3	2	4
2	3	4
1	2	4

Codes:

- (A)
(a) 1
(b) 1
(c) 3
(d) 3

16. Match List-I with List-II— **List-I** (Air Pollutant)

- Chlorofluorocarbon
- Sulphur dioxide
- Lead compound
- Carbon dioxide

List-II (Effect)

- Acid rain
- Depletion in ozone layer in the atmosphere
- Harmful for human nervous system
- Topmost contribution to greenhouse effect

C
(B o
) d
3 e
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1 :

(A)

(C (D) 2 2

- 4 4
- 1 17
- 3 Which one among
- 3 the following metals is prominently

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used in mobile phone batteries ?

- Copper (b) Zinc
- Nickel (d) Lithium

Which one of the following is the most appropriate and correct practice from the point of view of a healthy environment ?

- Burning of plastic wastes to keep the environment clean
- Burning of dry and fallen leaves in a garden or field
- Treatment of domestic sewage before its release
- Use of chemical fertilizers in agricultural fields

19. Who among the following proposed that atom is indivisible ?
 (a) Dalton (b) Berzelius
 (c) Eutherford (d) Avogadro
20. Which one among the following processes is not part of a chemical weathering ?
 (a) Hydration (b) Exfoliation (c) Oxidation (d) Solution
21. How many elements are there in the 5th period of modern periodic table ?
 (a) 2 (b) 8
 (c) 18 (d) 36
22. Which one among the following is used in making lead pencils ?
 (a) Charcoal (b) Graphite
 (c) Coke (d) Carbon black
23. Sodium metal should be stored in—
 (a) Alcohol (b) Kerosene oil
 (c) Water (d) Hydrochloric acid
24. When hard water is evaporated completely by heating the white solid remains in the container. It may be due to the presence of—
 1. Carbonates of Ca and Mg
 2. Sulphates of Ca and Mg
 3. Chlorides of Ca and Mg
 Select the correct answer using the code given below—
 (a) 1 and 2 only (b) 1, 2 and 3
 (c) 3 only (d) 1 and 3 only
25. Which one among the following compounds has same equivalent weight and molecular weight ?
 (a) H^+O_4 (b) $CaCl_2$
 (c) Na_2O_4 (d) $NaCl$
26. The soft silvery metallic element which ionizes easily when heated or exposed to light and is present in atomic clocks is :
 (a) Cerium (b) Californium
 (c) Cesium (d) Calcium
27. The mercury and sodium street lamps light up because of:
 (a) Atomic absorption
 (b) Electron absorption
 (c) Atomic emission
 (d) Electron emission
28. Catalytic converters are generally made from :
 (a) Hydrogen
 (b) Alkaline metals
 (c) Transition metals
 (d) Carbon
29. The green colour seen in firework displays is due to the chloride salt of:
 (a) Sodium (b) Strontium
 (c) Barium (d) Calcium
30. The substrate of Photorespiration is: (a) Glycolate (b) Pyruvic acid (c) Fructose (d) Glucose
31. Rainbows are produced when sunlight:
 (a) Incident on rain drops hanging in the atmosphere is dispersed after suffering refraction and internal reflection.
 (b) Incident on rain drops hanging in the atmosphere is dispersed after suffering refraction.
 (c) None of the given statements is correct.
 (d) Incident on raindrops hanging in the atmosphere
32. The most stable form of carbon is
 (a) diamond (b) graphite
 (c) fullerene (d) coal
33. Which of the following acids is a mineral acid ?
 (a) Citric acid (b) Hydrochloric acid
 (c) Ascorbic acid (d) Tartaric acid
34. The most of the mass of the atom can be found in
 (a) electrons (b) charges
 (c) nucleus (d) electron cloud
35. Which of the following statements is correct ?
 (a) Fullerenes have only six membered carbon rings.
 (b) Fullerenes are cage-like molecules.
 (c) Diamond is thermodynamically the most stable allotrope of carbon.
 (d) Graphite is slippery and hard, and is therefore used as a dry lubricant in machines.
36. A balloon filled up with gas would only go up in air if it is filled up with
 (a) a gas whose density is lower than air
 (b) a gas whose density is higher than air
 (c) cold air
 (d) water vapour
37. Which of the following are not chemical changes ?
 1. Tempering of iron.
 2. Conversion of iron piece into an electro-magnet by passing the current around the iron.
 3. Melting of iron.
 4. Rusting of iron.
 Select the correct answer using the code given below : (a) 1 and 2 only (b) 3 and 4 only (c) 1, 2 and 3 (d) 1, 2 and 4
38. Iron rusts quickly in
 (a) Rain water (b) Sea water (c) Distilled water (d) River water
39. A real gas can act as an ideal gas
 (a) high pressure and low temperature
 (b) low pressure and high temperature
 (c) high pressure and high temperature
 (d) low pressure and low temperature
40. pH scale ranges
 (a) 0-7 (b) 8-14 (c) 0-14 (d) None
41. The first stable product of photo synthesis
 (a) Starch (b) Sucrose
 (c) Phosphoglyceric acid
 (d) Glucose
42. The pair of compounds used as anaesthetic in medicines :
 (a) Ether Ammonia
 (b) Nitrous oxide, Chloroform
 (c) Chloroform, Nitrogen dioxide
 (d) Nitrogen dioxide, Ether
43. The percentage of carbon in cast iron
 (a) 0.01 to 0.25 (b) 0.5 to 1.5
 (c) 6 to 8 (d) 3 to 5
44. Which of the following is a metallic ore ?
 (a) Mica (b) Quartz
 (c) Feldspar (d) Galena
45. Vulcanized rubber contains sulphur
 (a) 2% (b) 3-5%
 (c) 7-9% (d) 10-15%

Answer Sheet

1.	(a)	2.	(b)	3.	(b)	4.	(a)	5.	(c)	6.	(c)	7.	(c)	8.	(a)	9.	(c)	10.	(b)
11.	(b)	12.	(c)	13.	(a)	14.	(c)	15.	(d)	16.	(c)	17.	(d)	18.	(c)	19.	(a)	20.	(b)
21.	(c)	22.	(b)	23.	(b)	24.	(b)	25.	(d)	26.	(O)	27.	(d)	28.	(c)	29.	(c)	30.	(a)
31.	(a)	32.	(b)	33.	(b)	34.	(c)	35.	(b)	36.	(a)	37.	(c)	38.	(b)	39.	(b)	40.	(c)
41.	(O)	42.	(b)	43.	(d)	44.	(d)	45.	(b)										

Biology

1. Which part of body is affected by cholera ?
 (a) Skin (b) Intestine
 (c) Lungs (d) Heart

- Quinine, the medicine for malaria, is obtained from which tree ?
 (a) Cinchona (b) Banyan
 (c) Neem (d) Eucalyptus

- Which of the following is not a source of carbohydrates ?
 (a) potato (b) Grains
 (c) Milk (d) Chicken

4. An enzyme produced by HIV that allows the integration of HIV DNA into the host cell's DNA is :
 (a) Helicase (b) DNA gyrase
 (c) Integrase (d) Ligase
5. Pulses are obtained from the family :
 (a) Liliaceae (b) Cycadaceae
 (c) Leguminosae (d) Fungi
6. Reverse transcription was discovered by:
 (a) Watson and Crick
 (b) Temin and Baltimore
 (c) Har Govind Khorana
 (d) Beadle and Tarum
7. Microbial degradation of nitrates into atmospheric nitrogen is known as : (a) Denitrification (b) Ammonification (c) Putrefaction (d) Nitrification
8. The metal ion present in vitamin B^A is:
 (a) cobalt (b) zinc
 (c) iron (d) nickel
9. Which of the following plant shows chloroplast dimorphism ?
 (a) Rice (b) Sugarcane
 (c) Sugar beet (d) Wheat
10. The gene which exhibits multiple effects is known as :
 (a) Pseudogene (b) Pleiotropic
 (c) Polygen (d) Complementary
11. Which of the following is not a technique used for disease detection ?
 (a) Ultrasonography
 (b) MRI
 (c) Cystography (d) Hysterectomy
12. Which of the following type of drug is/are administered as colloidal dispersion ?
 (a) Suspensions (b) Emulsions
 (c) (A) and (B) both
 (d) Neither (A) nor (B)
13. Bone forming cells are—
 (a) Osteoclasts (b) Osteoblasts (c) Chondroblast (d) Chondroclasts
14. Which of the following is a nonpoisonous snake ?
 (a) Python (b) Cobra
 (c) Dryophis (d) Russell's Viper
15. Match the List-I and List-II and choose the correct code given below :
List-I **List-II**
 (A) Pineal 1. Estrogen
 (B) Ovary 2. Cortisone
 (C) Pancreas 3. Melatonin
 (D) Adrenal 4. Insulin
 Codes:
 (A) (B) (C) (D)
 (a) 3 1 4 2
- (b) 3 4 1 2
 (c) 2 4 13
 (d) 1 2 3 4
16. Heart pumps only impure blood in case of—
 (a) Whale (b) Shark
 (c) Frog (d) Lizard
17. Which of the following is a disease that affect cow and sheep ?
 (a) Blue Tongue
 (b) Little Leaf of Brinjal
 (c) Ringworm
 (d) None of the above
18. In case of a parasitic food chain, the shape of the pyramid of number is always—
 (a) Upright (b) Linear
 (c) Inverted (d) Not certain
19. Which of the following is not a disease of children ?
 (a) Poliomyelitis
 (b) Marasmus
 (c) Whooping cough
 (d) None of the above
20. In human digestive system, the process of digestion starts in—
 (a) Oesophagus (b) Buccal cavity (c) Duodenum (d) Stomach
21. Which one of the following diseases in humans can spread through air ?
 (a) Dengue (b) Tuberculosis
 (c) HP7-AIDS (d) Goitre
22. Which one among the following structures or cells is **not** present in connective tissues ?
 (a) Chondrocytes (b) Axon
 (c) Collagen fibre (d) Lymphocytes
23. The word 'vaccination' has been derived from a Latin word which relates to—
 (a) Pig (b) Horse
 (c) Cow (d) Dog
24. Which one among the following statements is correct ?
 (a) Prokaryotic cells possess nucleus
 (b) Cell membrane is present both in plant and animal cells
 (c) Mitochondria and chloroplasts are not found in eukaryotic cells
 (d) Ribosomes are present in eukaryotic cells only
25. Which one among the following statements is **not** true for Mammals ?
 (a) They posses hair on the body
 (b) Some of them lay eggs
 (c) Their heart is three chambered
 (d) Some are aquatic
26. Which one of these animals is jaw less:
 (a) Sphyrna (b) Myxine
 (c) Shark (d) Trygon
27. Competition for food, light and space is most severe in :
 (a) Distantly related species growing in the same habitats
 (b) closely related species growing in different habitats
 (c) Distantly related species growing in different habitats
 (d) Closely related growing in the same or niche
28. Ecosystem consists of:
 (a) A population and its non-living elements
 (b) A biotic community and its non-living elements
 (c) Population
 (d) A biotic community
29. Which one of the following is the infective stage of the Malarial Parasite ?
 (a) trophozoite (b) sporoblast
 (c) schizont (d) sporozoite
30. Match the following :
List-I (A) Chlorophyll (B) Nostoc
 (C) Transpiration (D) Rust of wheat **List-II**
 1. Plant Disease
 2. Photosynthetic pigment
 3. Diazotroph
 4. Loss of water from plant surface
 (a) A - 3, B - 4, C - 2, D - 1
 (b) A - 2, B - 4, C - 3, D - 1
 (c) A - 4, B - 3, C - 1, D - 2
 (d) A - 2, B - 3, C - 4, D - 1
31. Afla toxins are produced by (a) Algae (b) Viruses (c) Fungi (d) Bacteria
32. Which of the following terms is associated with the biology of silkworms ?
 (a) Apiculture (b) Sericulture (c) Sylviculture (d) Pisciculture
33. What is 'breakbone fever' most commonly known as ?
 (a) Typhoid (b) Rhinitis
 (c) Yellow fever (d) Dengue
34. In honey, which one among the following sugars predominates ?
 (a) Sucrose (b) Fructose
 (c) Galactose (d) Maltose
35. Animal cell wall is essentially made of
 (a) Protein (b) Carbohydrate
 (c) Lipid bilayer (d) Cellulose

Answer Sheet

1.	(b)	2.	(a)	3.	(d)	4.	(c)	5.	(c)	6.	(b)	7.	(a)	8.	(a)	9.	(b)	10.	(c)
11.	(d)	12.	(c)	13.	(b)	14.	(a)	15.	(a)	16.	(b)	17.	(a)	18.	(c)	19.	(d)	20.	(b)
21.	(b)	22.	(b)	23.	(f)	24.	(b)	25.	(b)	26.	(b)	27.	(b)	28.	(b)	29.	(d)	30.	(a)
31.	(c)	32.	(b)	33.	(d)	34.	(b)	35.	(c)										