

Chapter

4

G.K. – General Science

1. Halley's comet will be seen in : [1997]
 (a) 2062 (b) 2060
 (c) 2068 (d) 2066
2. Skylab was launched into space by the US in :
 (a) 1975 (b) 1974 [1997]
 (c) 1973 (d) 1979
3. Which one of the following is responsible for the disease 'dropsy' ? [1999]
 (a) *Argemone maxicana*
 (b) *Brassica oleracea*
 (c) *Oenothera lamarckiana*
 (d) *Brassica campestris*
4. Which of the following vitamin is required in bone formation ? [1999]
 (a) D (b) B
 (c) C (d) A
5. Ecology is the branch of science which deals with : [1999]
 (a) cell structure (b) soils surface
 (c) balance of nature (d) human anatomy
6. The disease rheumatism affects : [1999]
 (a) legs (b) ears
 (c) lungs (d) joints
7. Weight of blood in the body is : [2000]
 (a) about 7 litres in normal body of 7% of the total body weight
 (b) about 5 litres in normal body or 5% of the total body weight
 (c) about 10 litres in normal body or 10% of the body weight
 (d) none of these
8. The earthquake is measured by : [2001]
 (a) Lactometer (b) Seismograph
 (c) Hygrometer (d) Barometer
9. AIDS is caused by : [2001]
 (a) Helminth (b) Protozoa
 (c) Virus (d) Bacteria
10. Which one of the following functions of the platelets occurs in our body? [2001]
 (a) It helps in breathing
 (b) It helps in strengthening of gums
 (c) It helps in circulation of blood
 (d) It helps in clotting of blood
11. Which one of the following vitamins can be most easily synthesised in the human body? [2001]
 (a) Vitamin B (b) Vitamin C
 (c) Vitamin A (d) Vitamin D
12. The spinning of the earth on its imaginary axis is known as : [2002]
 (a) rotation (b) circulation
 (c) orbiting (d) revolution
13. Which organ of the body purifies the blood ?
 (a) Heart (b) Lungs [2002]
 (c) Kidneys (d) Pancreas
14. Positron Emission Tomography (PET) is one of the best methods of functional imaging because [2003]
 (a) isotopes of basic body elements are used for imaging
 (b) isotopes with long half-lives are used
 (c) isotopes with short half-lives are used
 (d) positrons are directly involved in imaging
15. Magnetic Resonance (MR) images are derived from the proton-bearing species present principally from water and [2003]
 (a) long alkane chain protons of the fatty acid moieties
 (b) short alkane chain protons of the fatty acid moieties
 (c) long alkene chain protons of the fatty acid moieties
 (d) short alkene chain protons of the fatty acid moieties

16. The following separation technique depends on the molecular size of the protein : [2003]
(a) chromatography on a carboxymethyl (CM) cellulose column
(b) iso-electric focusing
(c) gel filtration chromatography
(d) chromatography on a diethylaminoethyl (DEAE) cellulose column
17. The approximate number of genes contained in the genome of Kalpana Chawala was : [2003]
(a) 40,000 (b) 30,000
(c) 80,000 (d) 1,00,000
18. Thanatology is the science that deals with [2003]
(a) death in all its aspects
(b) solving paternity of child
(c) identification of living
(d) detection of lie
19. The disease, Tetanus also known as [2003]
(a) Gangrene (b) Shingles
(c) Lockjaw (d) Whooping cough
20. It lives underwater for up to three years as nymph before emerging as a flying insect, Fossils of this insect dating back about 300 million years have been found : [2004]
(a) scorpion fly (b) stone fly
(c) caddis fly (d) May fly
21. Rayon fibre is manufactured from : [2004]
(a) petroleum (b) wood and pulp
(c) chemicals (d) naphtha
22. Maria Montessori's name is associated with : [2004]
(a) Christian mission
(b) Child education
(c) Women's rights
(d) Mission hospitals
23. The noise produced in office is normally at the level of : [2004]
(a) 20 db (b) 30 db
(c) 40 db (d) 60 db
24. Ascorbic acid is the chemical name of : [2005]
(a) vitamin A (b) vitamin B
(c) vitamin C (d) vitamin D
25. The chemical formulae of Plaster of Paris' is [2005]
(a) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (b) $\text{Ca}(\text{OH})_2$
(c) $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$ (d) $\text{C}_2\text{H}_5\text{OH}$
26. Biometry refers to : [2006]
(a) Identification of humans by scanning face and fingerprints
(b) Measurement of mechanical displacement in humans
(c) A method of lie detection
(d) Body length relationships across the evolutionary scale
27. Which one of the following is one of the two days when the sun rises exactly in the east? [2006]
(a) 14th January (b) 21st March
(c) 21st June (d) 23rd December
28. X-rays were discovered by : [2006]
(a) Wilhelm K. Roentgen
(b) H. Kissinger
(c) Sir C.V. Raman
(d) Meghnad Saha
29. One ream of paper equal to : [2006]
(a) 100–110 sheets
(b) 256 sheets
(c) 180–500 sheets
(d) 1000 sheets
30. Which of the following gases is most toxic? [2006]
(a) Carbon dioxide (b) Carbon monoxide
(c) Sulphur dioxide (d) None of these
31. The gas used in the manufacture of vanaspati ghee is : [2006]
(a) Helium (b) Oxygen
(c) Nitrogen (d) Hydrogen
32. Which mirror is used as a rear view mirror in vehicles? [2007]
(a) plain (b) convex
(c) concave (d) spherical
33. Chemical change does not take place in [2007, 2011]
(a) souring of milk into curd
(b) rusting of iron in atmosphere
(c) burning of magnesium ribbon in air
(d) emitting of light by a red hot platinum wire
34. The process of transfer of heat by matter but without actual movement of the particles themselves is called [2007]
(a) conduction (b) convection
(c) radiation (d) none of these

35. Only zero and one are used for operating [2007, 2011]
 (a) Calculator (b) Computer
 (c) Abacus (d) Type writer
36. Transistor is [2007]
 (a) semi conductor (b) inductor
 (c) modulator (d) demodulator
37. Computer cannot [2007]
 (a) send message (b) read files
 (c) abstract thought (d) play music
38. Which of the following is not a carbohydrate ? [2007]
 (a) wax (b) starch
 (c) sucrose (d) maltose
39. Which of the following is an eye disease? [2007]
 (a) hepatitis (b) measles
 (c) glaucoma (d) bronchitis
40. Which of the following is the vaccine for tuberculosis? [2007]
 (a) OPT (b) BCG
 (c) salk vaccine (d) rubella vaccine
41. Horns, nails and hair are [2007]
 (a) soluble fats
 (b) insoluble carbohydrates
 (c) keratin proteins
 (d) complex lipids
42. If the blood group of one parent is AB and that of the other O, the possible blood group of their child would be [2008]
 (a) A or B (b) A or B or O
 (c) A or AB or O (d) A or B or AB or O
43. The vitamin that helps to prevent infections in the human body is [2008]
 (a) vitamin A (b) vitamin B
 (c) vitamin C (d) vitamin D
44. The gas which turns into liquid at the lowest temperature among the following is [2008]
 (a) hydrogen (b) oxygen
 (c) helium (d) nitrogen
45. Which of the following disease is caused by a virus ? [2008]
 (a) Diphtheria (b) Malaria
 (c) Cholera (d) Hepatitis
46. An ECG shows the functioning of the [2009]
 (a) Brain (b) Heart
 (c) Lungs (d) Kidneys
47. The purest form of water is [2009]
 (a) Tap water (b) Rain water
 (c) Ground water (d) Distilled water
48. Which of the following means 'change' in Greek [2009]
 (a) Orangutam (b) Goat
 (c) Amoeba (d) Hydra
49. The velocity of light in a medium is maximum for that colour for which refractive index is [2010]
 (a) minimum (b) maximum
 (c) optimum (d) very high
50. Which of the following is/ are the law(s) of reflection of light? [2010]
 (a) The angle of incidence is equal to the angle of reflection.
 (b) The incident ray, the normal to the mirror at the point of incidence and the reflected ray, all lie in the same plane.
 (c) Both (a) and (b).
 (d) The angle of incidence is never equal to the angle of reflection.
51. Which of the following halo-organic compounds is used as insecticide, germicide, soil fumigant and deodorant? [2010]
 (a) Benzene hexachloride
 (b) Chlorobenzene
 (c) *p*-chlorobenzene
 (d) All of the above
52. Electronic configuration of deuterium atom is [2010]
 (a) $1s^2$ (b) $2s^1$
 (c) $1s^1$ (d) $2s^2$
53. Which of the material interactions will not promote co-evolution? [2010]
 (a) Commensalism (b) Parasitism
 (c) Heterothallism (d) All of these
54. Bence Jones protein is associated with
 (a) Lymphosarcoma
 (b) Leukaemia
 (c) Multiple myeloma
 (d) All of these
55. A MODEM is connected in between a telephone line and a [2010]
 (a) Serial port
 (b) Computer
 (c) Network
 (d) Communication adaptor

56. A sequence of precise and unambiguous instructions for solving a problem in a finite number of operations is referred as [2010]
(a) algorithm (b) address
(c) advice (d) all of these
57. Polio vaccine was first prepared by [2011]
(a) J. Salk (b) L. Pasteur
(c) G. J. Mendel (d) Watson
58. The Saturn rings were discovered by [2011]
(a) Copernicus (b) Newton
(c) Galileo (d) none of these
59. $\frac{4}{25}$ coulomb of charge contains _____ electrons. [2011]
(a) 10^{15} (b) 10^{18}
(c) 10^{20} (d) none of these
60. Fish can survive inside deep frozen ponds because [2011]
(a) Fish are cold blooded
(c) They hibernate
(c) Ice is a good conductor of heat
(d) There is water at 4°C below frozen ice
61. Which one of the following diseases is not caused by virus? [2012]
(a) Chicken pox (b) Measles
(c) Poliomyelitis (d) Tetanus
62. In the plant body, the water and minerals are transported by: [2012]
(a) Bast (b) Collenchyma
(c) Parenchyma (d) Xylem
63. What is the main constituent of natural gas ? [2012]
(a) Methane (b) Ethane
(c) Butane (d) Hydrogen
64. Which one among the following has the highest first ionisation energy ? [2012]
(a) Carbon (b) Fluorine
(c) Nitrogen (d) Oxygen
65. Chemical weathering is at its maximum in : [2012]
(a) hot and dry regions
(b) cold and humid regions
(c) hot and humid regions
(d) cold and dry regions
66. Grave's disease is caused due to: [2013]
(a) hyperactivity of thyroid
(b) hypoactivity of thymus
(c) hypoactivity of thyroid
(d) hyperactivity of thymus
67. Which one among the following is the correct order of power consumption for light of equal intensity ? [2014]
(a) CFL tube < Fluorescent tube < Incandescent bulb < Light emitting diode
(b) Light emitting diode < CFL tube < Fluorescent tube < Incandescent bulb
(c) CFL tube < Fluorescent tube < Light emitting diode < Incandescent bulb
(d) Incandescent bulb < Light emitting diode < Fluorescent tube < CFL tube
68. When a particle and an antiparticle come in contact with each other, they [2014]
(a) repel each other
(b) annihilate each other
(c) go undisturbed
(d) spin about a common axis
69. Photoelectric effect is [2014]
(a) an instantaneous process
(b) delayed process
(c) emission of protons
(d) emission of neutrons
70. Candles contains a mixture of [2014]
(a) Bees wax and paraffin wax
(b) Bees wax and stearic acid
(c) Paraffin wax and stearic acid
(d) Higher fatty acid
71. In chemical terms, what are alums used for purifying water for drinking purposes ? [2014]
(a) Hydrated chlorides
(b) Double nitrate
(c) Double sulphates
(d) Nitrates of aluminium
72. Each body segment of Earthworm is called [2014]
(a) Proglottid (b) Metamere
(c) Scolex (d) Rostellum
73. The hydraulic brake used in automobiles is a direct application of [2014]
(a) Archimedes' principle
(b) Torricellian law
(c) Bernoulli's Theorem
(d) Pascal's law

[illegible]