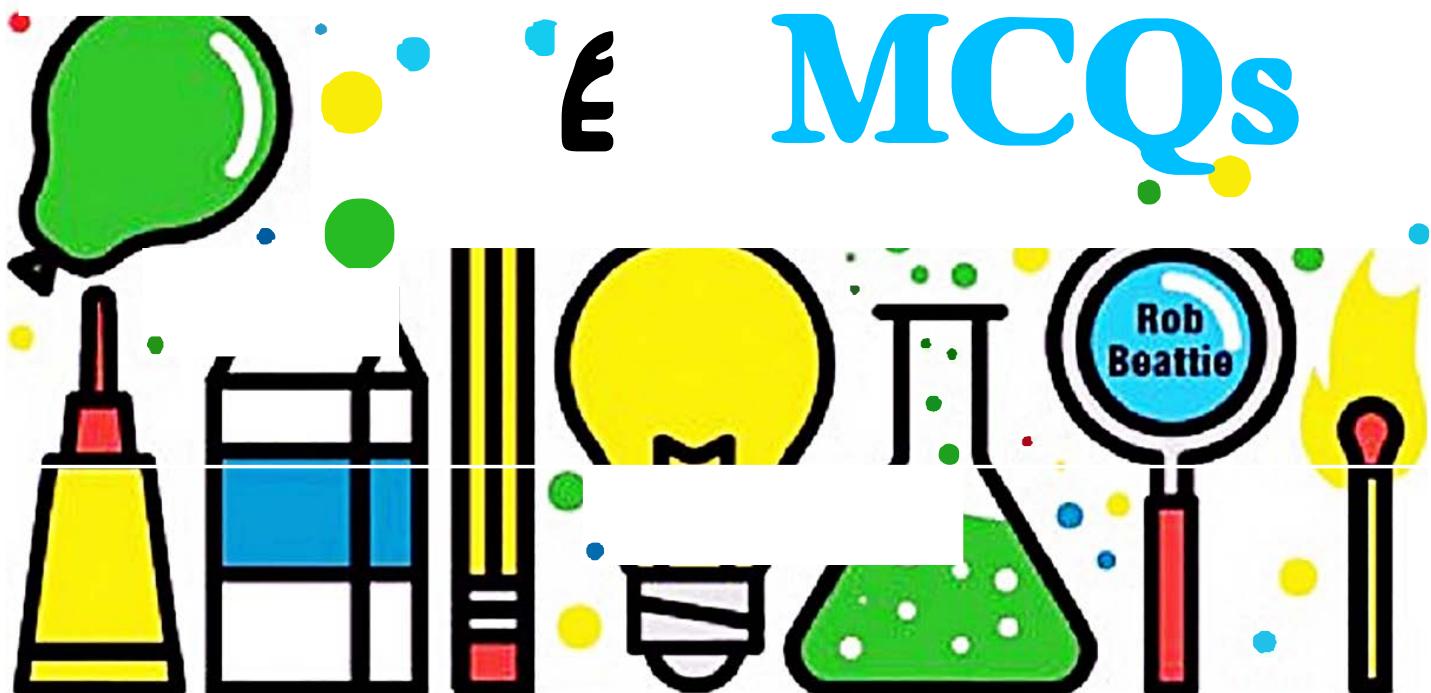


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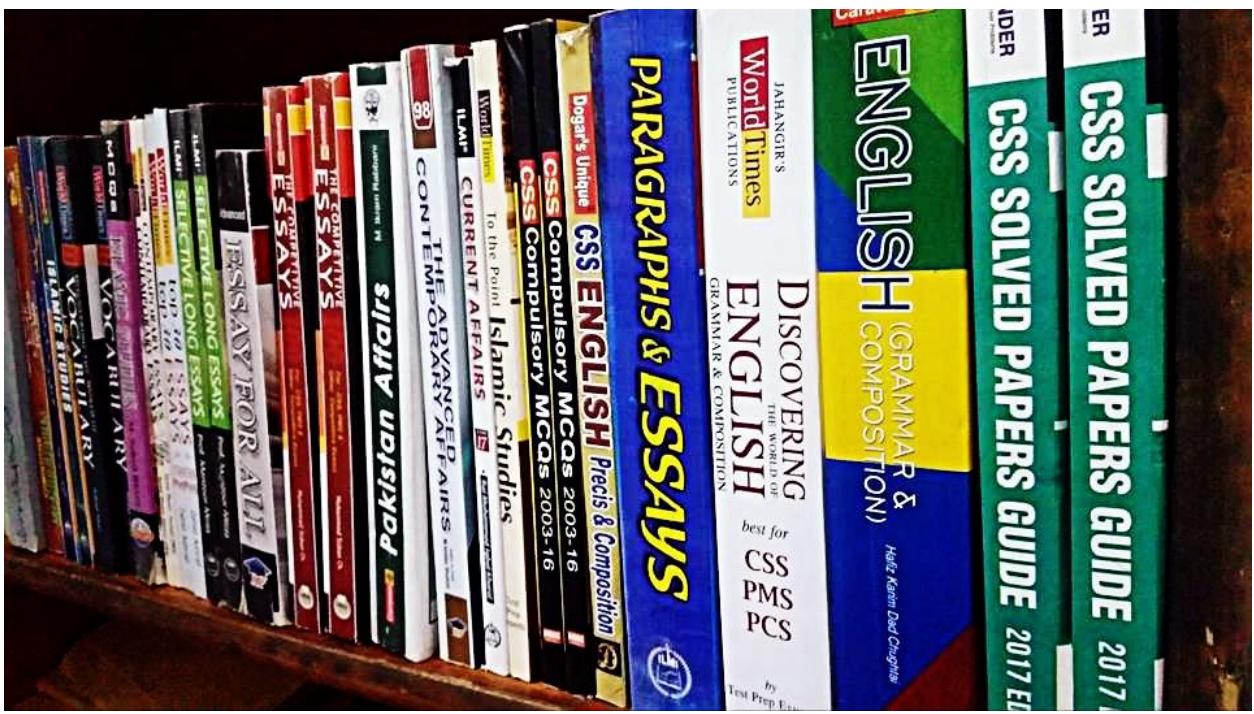
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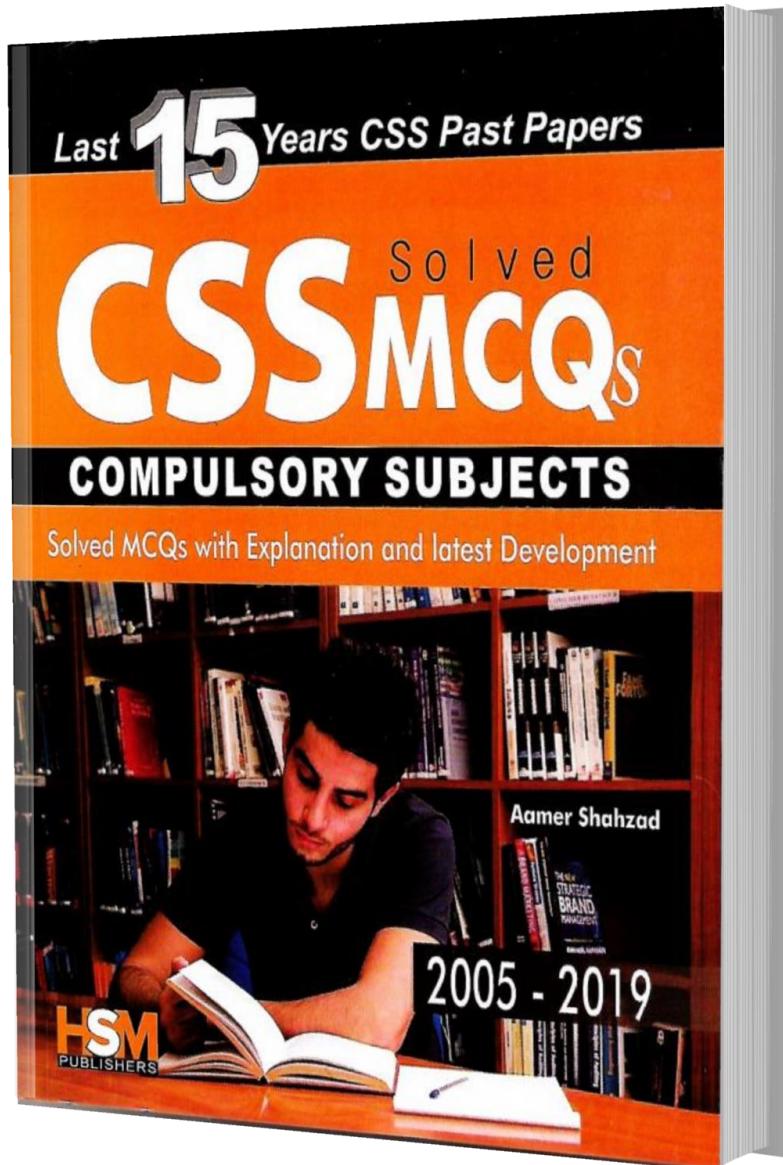
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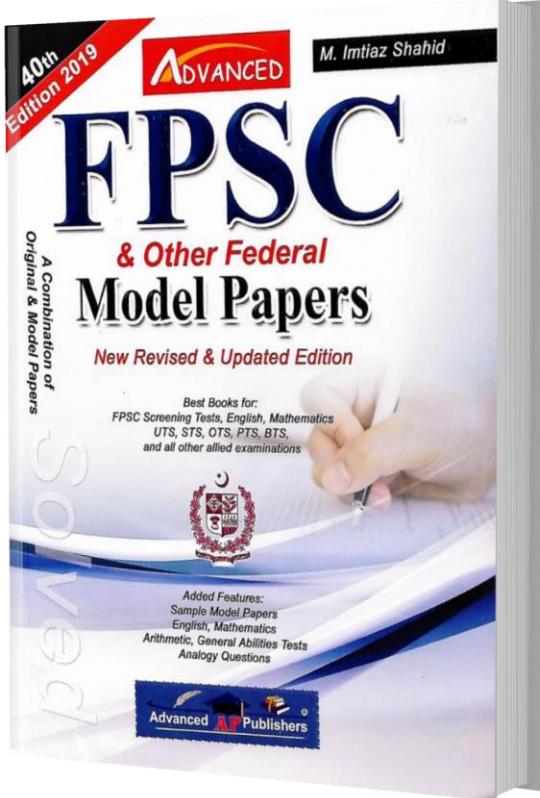
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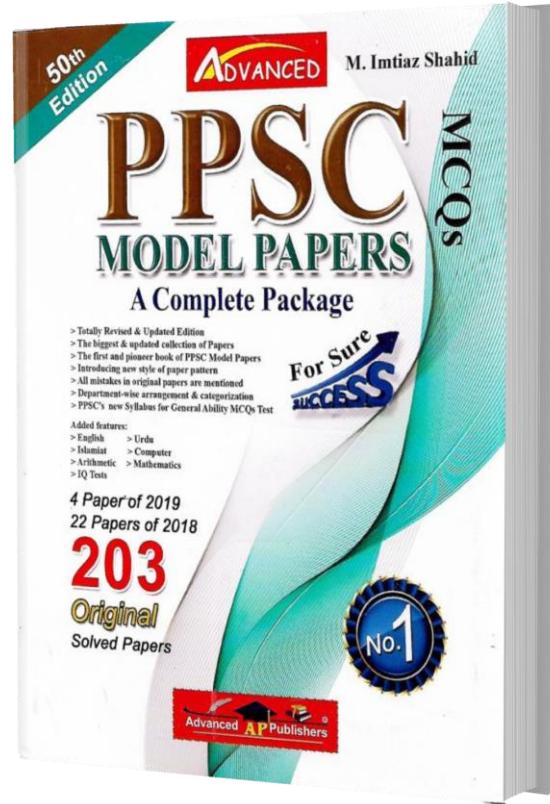


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EVERYDAY SCIENCE (MCQs)

1. The planet of the solar system which has maximum number of Moon is:
 A. Jupiter B. Venus
 C. Saturn D. Uranus
 E. None of these
2. Sun is a:
 A. Planet B. Comet
 C. Satellite D. Aurora
 E. None of these
3. The age of the solar system is:
 A. 4.6 billion years
 B. 5.5 billion years
 C. 6.5 billion years
 D. 7.5 billion years
 E. None of these
4. A unit length equal to the average distance between the Earth and Sun is called:
 A. Light year
 B. Astronomical Unit
 C. Parsec
 D. Parallax
 E. None of these
5. An eclipse of the Sun occurs when:
 A. The Moon is between the Sun and the Earth
 B. The Sun is between the Earth and the Moon
 C. The Earth is between the Sun and the Moon
 D. The Earth casts its shadow on the Moon
 E. None of these
6. The ozone layer protects the Earth from rays sent down by the Sun:
 A. Ultraviolet rays B. Infrared rays
 C. Gamma rays
 D. Radioactive rays
 E. None of these
7. The ozone layer is present about 30 miles (50 Km) in atmosphere above the Earth.
- The stratum (layer) of atmosphere in which ozone layer lies is called as:
 A. Exosphere B. Mesosphere
 C. Stratosphere D. Ionosphere
 E. Troposphere
8. Which rocks are formed by the alternation of pre-existing rocks by great heat or pressure?
 A. Igneous rocks
 B. Sedimentary rocks
 C. Metamorphic rocks
 D. Acid rocks
 E. Basic rocks
9. The most abundant natural Iron Oxides are:
 A. Magnetite and Pyrite
 B. Magnetite and Bauxite
 C. Hematite and Pyrite
 D. Hematite and Magnetite
 E. Hematite and Bauxite
10. The two most abundant elements in sea water are:
 A. Sodium and Potassium
 B. Sodium and Calcium
 C. Sodium and Chlorine
 D. Chlorine and Iodine
 E. Magnesium and Sulphur
11. An electric current can produce:
 A. Chemical effect
 B. Magnetic effect
 C. Heating effect
 D. All of three
 E. None of these
12. The unit of home electricity energy consumption is:
 A. Watt hour
 B. Kilowatt hour
 C. Joule hour
 D. None of these

13. The magnet always points in the same direction, if allowed to move freely i.e. towards North and South poles, because of:
 A. Gravitational field
 B. A lot of metal deposits on North and South Poles
 C. Due to attraction of North Pole and repulsion of Western Pole
 D. Earth is huge magnet
 E. None of these.
14. When sound is reflected from floor, ceiling or a wall, it mixes with the original sound and changes its complexion, it is called as:
 A. Sound B. Echo
 C. Reverberation D. Noise
 E. None of these
15. The speed of sound in dry air at 20°C is about:
 A. 130 meters per second
 B. 230 meters per second
 C. 330 meters per second
 D. 430 meters per second
 E. None of these
16. The speed of light in vacuum:
 A. 300 Million meters per second
 B. 300 Million meters per hour
 C. 300 Million kilometres per second
 D. 300 Million kilometres per hour
 E. None of these
17. The time, light takes from the Sun to reach Earth is:
 A. 8 minutes B. 25 minutes
 C. 45 minutes D. 48 minutes
 E. None of these
18. Light from the Sun travels a distance before it reaches the Earth:
 A. 50 million Km
 B. 100 million Km
 C. 150 million Km
 D. 200 million Km
 E. None of these
19. The most suitable thermometer for measuring the boiling point of water is:
 A. Mercury thermometer
 B. Alcohol thermometer
- C. Bimetallic thermometer
 D. Liquid crystal thermometer
 E. None of these
20. The density of water is greatest at:
 A. -30°C B. 0°C
 C. 4°C D. 100°C
 E. None of these
21. Which one of the following statements is true?
 A. Gases do not conduct heat
 B. The best conductors are non-metals
 C. Conduction currents occurs only in liquids
 D. A vacuum cannot conduct heat
 E. None of the statements is true.
22. Ice can be changed to water by:
 A. Adding more water molecules
 B. Changing the motion of the water molecules
 C. Rearranging the atoms in water molecules
 D. Destroying the atoms in water molecules
 E. None of these
23. The building block of elements are called:
 A. Atoms B. Molecules
 C. Compounds D. Isotopes
 E. None of these
24. Boiling of an egg is a change which is:
 A. Physical B. Chemical
 C. Physiological
 D. Morphological
 E. None of these
25. The temperature of liquid Nitrogen is:
 A. -32°C B. -80°C
 C. -100°C D. -196°C
 E. None of these
26. Which one of the following is an alkali?
 A. Water B. Vinegar
 C. Lemon juice D. Slaked lime
 E. None of these
27. If an alkali is slowly mixed to an acidic solution, the pH of the acidic solution will:
 A. Increase

- B. Decrease
C. Increase to 7 and then decrease
D. Decrease to 7 and then increase
E. Will remain same.
28. The usual raw material for ceramics, generally found beneath the top soil is?
A. Sand B. Silt
C. Clay
D. Plaster of Paris
E. Melamine
29. Polyamides are synthetic polymers commonly known as:
A. Synthetic rubber B. Nylon
C. Cellulose D. Protein
E. None of these
30. Telephone was invented in 1876 in America by:
A. Marconi B. Galileo
C. John Beard D. Edison
E. Graham Bell
31. Information can be sent over long distance in the form of:
A. Electrical signals through wires
B. Light signals through optical fibre
C. Radio waves through air
D. Any combination of these three
E. None of these
32. Information can be stored in:
A. Audio and video cassettes
B. Floppy and compact discs
C. Hard disks
D. Laser and Optical disks
E. All of these four
33. Computer can:
A. Add and subtract information only
B. Add, subtract and sort information only
C. Add, subtract, sort and classify information
D. Add and subtract but cannot sort information
E. Add, subtract and sort but cannot classify information.
34. IBM stands for:
A. International Business Machines
B. International Big Machines
C. Interrelated Big Machines
- D. None of these
35. Chemicals used to kill weeds are called as:
A. Insecticides B. Fungicides
C. Herbicides D. Fumigants
E. None of these.
36. The cytoplasm consists of several types of structures, which are called:
A. Protoplasm B. Nucleus
C. Cytochromes D. Organelles
E. None of these
37. The structure of DNA was elaborated by Watson and Crick in:
A. 1909 B. 1923
C. 1945 D. 1953
E. None of these
38. In a DNA molecule, the rule for base pairing is:
A. Adenine always bound with thymine and cytosine with guanine
B. Adenine always bound with cytosine and thymine with guanine
C. Adenine always bound with guanine and cytosine with thymine
D. Adenine always bound with uracil and cytosine with guanine
E. None of these
39. Man belongs to the family:
A. Felidae B. Hominidae
C. Mammalia D. Primataceae
E. None of these
40. Deficiency of vitamin C in the human body causes a deficiency disease called:
A. Beriberi
B. Night blindness
C. Rickets D. Scurvy
E. None of these
41. To measure the specific gravity of milk, the instrument used is:
A. Hygrometer B. Barometer
C. Lactometer D. Hydrometer
E. None of these
42. One of the fundamental characteristics of living organisms is called as:
A. Photosynthesis B. Digestion
C. Excretion D. Metabolism

- E. None of these
43. Plants growing on other plants are called as:
 A. Saprophytes B. Parasites
 C. Epiphytes D. Pathogens
 E. None of these
44. As per eating habit, squirrels are:
 A. Frugivorous (Fruit eater)
 B. Herbivorous (Plant eater)
 C. Carnivorous (Animal eater)
 D. Omnivorous (Plants + animal eater)
 E. Insectivores (Insect eater)
45. Water loss from leaves through stomata is called as:
 A. Evaporation
 B. Transpiration
 C. Evapo-Transpiration
 D. Respiration
 E. None of these
46. The study of how plants and animals interact with one another with the non-living environment is called as
 A. Ecosystem B. Sociology
 C. Ecology D. Habitat
47. The number of bones in human body is:
 A. 200 B. 202
 C. 204 D. 206
 E. None of these
48. Nervous system in human body consists of:
 A. Brain and spinal cord
 B. Brain and nerves
 C. Spinal cord and nerves
 D. Brain, spinal cord and nerves
 E. None of these
49. In human eye, the light sensitive layer made of specialized nerve cells, the rods and cones is called as:
 A. The pupil B. The cornea
 C. The sclera D. The iris
 E. The retina
50. Erythrocytes are also called as:
 A. Red blood cells
 B. White blood cells
 C. Platelets D. Plasma
 E. None of these

ANSWER KEY:

1.	A.	Jupiter	2.	E.	None of these
3.	A.	4.6 billion years	4.	B.	Astronomical Unit
5.	A.	The Moon is between the Sun and the Earth	6.	A.	Ultraviolet rays
7.	C.	Stratosphere	8.	C.	Metamorphic rocks
9.	D.	Hematite and Magnetite	10.	C.	Sodium and Chlorine
11.	D.	All of three	12.	B.	Kilowatt hour
13.	D.	Earth is huge magnet	14.	C.	Reverberation
15.	C.	330 meters per second	16.	A.	300 Million meters per second
17.	A.	8 minutes	18.	C.	150 million Km
19.	A.	Mercury thermometer	20.	C.	4°C
21.	E.	None of the statements is true.	22.	B.	Changing the motion of the water molecules
23.	A.	Atoms	24.	A.	Physical
25.	D.	-196°C	26.	D.	Slaked lime
27.	A..	Increase	28.	C.	Clay
29.	B.	Nylon	30.	E.	Graham Bell
31.	D.	Any combination of these three	32.	E.	All of these four
33.	C.	Add, subtract, sort and classify information	34.	A.	International Business Machines
35.	C.	Herbicides	36.	D.	Organelles
37.	D.	1953	38.	A.	Adenine always bound with thymine and

					cytosine with guanine
39.	B.	Hominidae	40.	D.	Scurvy
41.	C.	Lactometer	42.	D.	Metabolism
43.	B.	Parasites	44.	B.	Herbivorous (Plant eater)
45.	B.	Transpiration	46.	C.	Ecology
47.	D.	206	48.	D.	Brain, spinal cord and nerves
49.	E.	The retina	50.	A.	Red blood cells

1. A scientific method will seek to explain natural events and make useful prediction in
- A haphazard manner
 - A manner design to fit the theorist's or experimenter's bias
 - A consistently reproducible manner
 - None of these
2. "Truth is sought for its own sake and those who are engaged upon the quest for anything for its own sake are not interested in other things. Finding the truth is difficult and the road to it is rough." This was stated by which key figure in the development of scientific method in the 11th century?
- Aristotle
 - Ibn al Haytham
 - Plato
 - None of these
3. Abu Abdullah Muhammad Bin Musa al-Khwarizmi is famous for writing the "Kitab al Jaber Wal Muqabla" in which he
- Presented the first systematic solution of linear and quadratic equations
 - Delineated methods of oppression and competition
 - Wrote the laws of optics
 - None of these
4. Galileo Galilei was persecuted by the catholic church for suspicion of holding the view that:
- Objects of different masses fell at the same velocity
 - The Sun revolves around the Moon
 - The Earth was probably not the centre of the universe
 - None of these
5. The proliferation of education and dissemination of knowledge in the last two centuries has led to a faith in science that:
- Causes human beings to turn on other human beings
 - Is the main cause of poverty and war
 - Leads to oppression of education
 - None of these
6. Science attempts to:
- Explain how the universe works by discovering the laws regulating everything around us
 - Use discovered laws to engineer new devices
 - Both a & b
 - None of these
7. Ibn Zuhr, the author of Al Taisir, is known as:
- The father of experimental surgery
 - The founder of calculus
 - A biographer of provincial governors
 - None of these
8. Ibn Khaldun's Muqqadimah is regarded by many as:
- The first work dealing with a philosophy of history
 - QA minor footnote in his writings
 - A well-documented tale of his trial
 - None of these
9. A physical, mathematical or logical representation of a natural phenomenon is called
- Phenomenal
 - A scientific model
 - A theoretical postulate
 - None of these

10. ISSAC Newton and Gottfried Leibniz working independently in the 17th century laid the foundation of classical physics and are known as fathers of
 A. Astrology
 B. Relativistic theory
 C. Integral & differential calculus
 D. None of these
11. A light year is
 A. A year devoid of heavy rainfall
 B. The time taken by light to be generated & propagated from the centre of the Sun to our Earth
 C. The distance covered by light in one of our solar years
 D. None of these
12. Our Sun is classified as
 A. A blue giant
 B. A yellow dwarf
 C. Supernova
 D. None of these
13. The Sun produces most of its energy by:
 A. Nuclear fusion which involves converting "H" to "He"
 B. Nuclear fission involving the burning of uranium & plutonium
 C. Nuclear fission involving the combining of uranium and palladium
 D. None of these
14. Which of the following is the correct ordering of the inner planets according to their proximity to the Sun?
 A. Jupiter, Saturn, Neptune, Uranus,
 B. Phobos, Deimes, Europe, Tias
 C. Mercury, Venus, Earth, Mars
 D. None of these
15. How long does our Earth take to turn about its axis
 A. One hour B. 23 Hours
 C. 24 Hours
 D. None of these
16. Tides are generated by
 A. The movements of ships in the oceans
 B. The gravitational effect of Moon and Sun on our Earth
 C. The movements of the Earth around the Sun
 D. None of these
17. Seasons are generated by
 A. The movement of Sun around co-axes of the milky way
 B. The movement of the Earth around the Sun
 C. Relativistic quantum
 D. None of these
18. Although the mass of a man on Moon remains same as on the Earth, he will
 A. Be much happier there
 B. Weigh one sixth as much
 C. Weigh twice as much
 D. None of these
19. If we are at sea level our atmosphere presses down on us with a pressure of:
 A. 1 Fps B. 14.3 Fps
 C. 35.8 Fps
 D. None of these
20. The efficiency of a machine is
 A. Always greater than 100%
 B. Always less than 100 %
 C. Always 100%
 D. None of these
21. A material with high elasticity
 A. Does not return to its original shape upon being stretched and then released
 B. Returns as close as possible to its original shape upon being stretched and then released
 C. Can be stretched to infinite distances
 D. None of these
22. Matter and energy
 A. Can be converted from one to the other
 B. When taken together , converted in all processes in a closed system
 C. Both a & b
 D. None of these
23. Electric current
 A. Flows from a higher potential to lower potential
 B. Is caused by flow of electrons
 C. Both a & b
 D. None of these
24. Electricity and magnetism are
 A. Two facets of the same force
 B. Always opposed to each other

- B. Both a & b
D. None of these
25. Ball bearings help wheels and other rotating objects
A. Move without consuming any energy
B. Rotate more easily and with less friction
C. Both a & b
D. None of these
26. Photography works by
A. Capturing the souls of the objects being photographed
B. Capturing light reflected from the object being photographed
C. Both a & b
D. None of these
27. Arthur C. Clarke, the famous science fiction author, while working as a radio operator in the British army in World War-II
A. Proposed building a space elevator from carbon mono-filaments
B. Postulated the existence of extra-terrestrial artefacts on the Moon
C. Proposed that a network of satellites in stationary orbit at very high altitudes around the Earth be used to bounce communication signals all over the world
D. None of these
28. The Sino Pakistani Jf-17 thunder aircraft:
A. Is a commercial transport aircraft
B. Is neither built nor assembled in Pakistan
C. Has no stealth features in its engine inlets or elsewhere
D. None of these
29. Communication satellites are in
A. Geostationary orbit
B. Geosynchronous orbit
C. Semi-synchronous orbit
D. None of these
30. RAM of a computer refers to:
A. Read Access Memory
B. Right Access Memory
C. Random Access Memory
D. None of these
31. Which of the following is responsible for transporting oxygen in the blood?
A. White blood cells-----WBC
B. Neutrophils
C. Red blood cells-----RBC
D. None of these
32. Which of the following is true for hormones?
A. All proteins are hormones
B. All hormones are proteins
C. All hormones are amino acids
D. None of these
33. Prokaryotes have which of the following structures?
A. Nucleus
B. Mitochondria
C. Chloroplast
D. None of these
34. Diversity in which of the following groups is not due to artificial selection?
A. Wheat B. Dogs
C. Cotton D. None of these
35. Arachnophobia refers to a fear of
A. Spiders B. Snakes
C. Bats D. None of these
36. Which of the following is a part of DNA?
A. dGTP B. dADP
C. dTMP D. None of these
37. In humans the "y" chromosome is passed to the next generation from
A. Father to son
B. Mother to son
C. Father to daughter
D. None of these
38. Which of the following is a mammal?
A. Blue tuna B. Sword fish
C. Whale D. None of these
39. Female ova are:
A. Haploid B. Diploid
C. Triploid D. None of these
40. Which of the following is not a part of DNA?
A. Thymine B. Adenine
C. Tibose

- D. None of these
41. Which of the following is labelled as "good cholesterol" for humans?
 A. High-density lipoprotein _____ HDL
 B. Low density lipoprotein _____ LDL
 C. Very low density lipoprotein _____ VLDL
 D. None of these
42. Deficiency of which of the following causes beri beri disease?
 A. Vitamin C B. Vitamin A
 C. Vitamin B₁ D. Vitamin B₁₂
43. Which of the following is a non-essential amino acid?
 A. Alanine B. Methylamine
 C. Tyrosine D. Both A & C
44. Starting from higher choose the correct sequence of molecules in order of energy yielding
 A. Sugar, fats, protein
 B. Protein, sugar, fats
 C. Fats, sugar, protein
 D. None of these
45. Which of the following is not a part of protein?
- A. Glutamic acid
 B. Sulphuric acid
 C. Aspartic acid
 D. None of these
46. The highest source of omega-3 fatty acid is
 A. Fish oil B. Corn oil
 C. Sunflower oil
 D. None of these
47. Which of the following gas is essential for human?
 A. Carbon dioxide B. Nitrogen
 C. Oxygen
 D. None of these
48. Proteins are made up of
 A. Polynucleotide B. Polypeptide
 C. Polyacetylene
 D. None of these
49. Schizophrenia is a mental disease with the following symptoms
 A. Disorganized speech
 B. Hallucinations
 C. Delusions
 D. All of the above

ANSWER KEY

1.	C.	A consistently reproducible manner	2.	B.	Ibn al Haytham
3.	A.	Presented the first systematic solution of linear and quadratic equations	4.	C.	The Earth was probably not the centre of the universe
5.	D.	None of these	6.	A.	Explain how the universe works by discovering the laws regulating everything around us
7.	A.	The father of experimental surgery	8.	A.	The first work dealing with a philosophy of history
9.	B.	A scientific model	10.	C.	Integral & differential calculus
11.	C.	The distance covered by light in one of our solar years	12.	B.	A yellow dwarf
13.	A.	Nuclear fusion which involves converting "H" to "He"	14.	C.	Mercury, Venus, Earth, Mars
15.	C.	24 Hours	16.	B.	The gravitational effect of Moon and Sun on our Earth
17.	B.	The movement of the Earth around the Sun	18.	B.	Weigh one sixth as much
19.	B.	14.3 Fps	20.	B.	Always less than 100 %
21.	B.	Returns as close as possible to its original shape upon being stretched and	22.	A.	Can be converted from one to the other

		then released			
23.	C.	Both a & b	24.	A.	Two facets of the same force
25.	B.	Rotate more easily and with less friction	26.	B.	Capturing light reflected from the object being photographed
27.	C.	Proposed that a network of satellites in stationary orbit at very high altitudes around the Earth be used to bounce communication signals all over the world	28.	C.	Has no stealth features in its engine inlets or elsewhere
29.	A.	Geostationary orbit	30.	C.	Random Access Memory
31.	C.	Red blood cells-----RBC	32.	C.	All hormones are amino acids
33.	A.	Nucleus	34.	D.	None of these
35.	A.	Spiders	36.	A.	DGTP
37.	A.	Father to son	38.	C.	Whale
39.	A.	Haploid	40.	C.	Tibose
41.	A.	High-density lipoprotein HDL	42.	C.	Vitamin B ₁
43.	A.	Both A & C	44.	B.	Protein, sugar, fats
45.	B.	Sulphuric acid	46.	A.	Fish oil
47.	C.	Oxygen	48.	B.	Polypeptide
49.	D.	All of the above			

1. Which of the following are found in the nucleus?
 A. Lysosomes B. Chromosomes
 C. Ribosomes D. None of these
2. Who proposed the concept "All motion is relative"?
 A. Albert Einstein B. John Kepler
 C. Galileo Galilei D. None of these
3. The field of specialization of famous Muslim scientist Abu Usman-al-Jahiz was:
 A. Botany B. Zoology
 C. Astronomy D. None of these
4. Albatross is:
 A. A sea bird B. A beetle
 C. A fruit D. None of these
5. The Sunlight can reach a depth of meters in the ocean:
 A. 100 B. 80
 C. 120 D. None of these
6. The biggest planet in our solar system is:
 A. Venus B. Pluto
 C. Jupiter D. None of these
7. The biggest species of the cat family is:
- A. Tiger B. Lion
 C. Leopard D. None of these
8. Which group of animals has heterogametic females?
 A. Domestic fowl B. Earthworm
 C. Rabbit D. None of these
9. The dominant phase of life cycle in these organism is haploid:
 A. Mosses B. Bacteria
 C. Protozoa D. None of these
10. The atmosphere of Moon consists of:
 A. 90% Hydrogen, 10% Nitrogen
 B. 80% Nitrogen, 20% Hydrogen
 C. 60% Nitrogen, 40% inert gases
 D. None of these
11. The chemical name of quartz is:
 A. Silicon Dioxide (SiO₂)
 B. Stannous Oxide
 C. Aluminium Oxide
 D. None of these
12. Which month of calendar year can lack a new Moon?
 A. December B. February
 C. May D. None of these

13. Deuterium differs from Hydrogen in having:
 A. Different atomic number but same atomic weight
 B. Different atomic number and different atomic weight
 C. Same atomic number and different atomic weight
 D. None of these
14. One of the following is a water soluble vitamin:
 A. Vitamin A B. Vitamin D
 C. Vitamin K D. Vitamin C
15. Coulomb is the scientific unit to measure:
 A. Velocity B. Temperature
 C. Mass D. None of these
16. When a patient's immune system becomes reactive to a drug, this is an example of:
 A. Super infection B. Drug resistance
 C. Allergy D. None of these
17. Anti-Diuretic hormone is secreted by one of the following glands:
 A. Pituitary B. Pancreas
 C. Thyroid D. None of these
18. Vaccination is synonymous with immunity.
 A. Natural active B. Artificial passive
 C. Artificial active D. None of these
19. UV light falls in the category of:
 A. Ionizing Radiations
 B. Non Ionizing Radiation
 C. Visible light
 D. None of these
20. The Earth'sis divided into 15 major plates of various sizes:
 A. Mesosphere B. Stratosphere
 C. Lithosphere D. None of these
21. One of these scientists formulated basic laws of Geometry:
 A. Pythagoras B. Archimedes
 C. Aristotle D. None of these
22. Phosphorus is an essential component of one of the following biological molecules:
 A. Amino acids B. Nucleic acids
 C. Carbohydrates D. None of these
23. He was the first scientist to prove that planets move around the Sun:
 A. Archimedes B. Galileo Galilei
 C. John Kepler D. None of these
24. Atom is made up of _____ different kinds of subatomic particles:
 A. Three B. Two
 C. Four D. None of these
25. Uranium is best used as nuclear fuel in one of the following forms:
 A. U 235 B. U 237
 C. U 238 D. None of these
26. The alpha particles are compact clusters of:
 A. Electron and Proton
 B. Two Protons and two Neutrons
 C. Three protons and three Neutrons
 D. None of these
27. The Beta particles are fast moving
 A. Protons B. Electrons
 C. Neutrons D. None of these
28. One of the following countries produces maximum energy from atomic reactors:
 A. France B. USA
 C. UK D. None of these
29. The unit to measure the quantity of Ozone in atmosphere is
 A. Dobson B. Dalton
 C. Coulomb D. None of these
30. Which of the following is not a major subdivision of the biosphere?
 A. Hydrosphere B. Stratosphere
 C. Lithosphere D. None of these
31. Geiger-Muller counter is used to detect:
 A. Protons B. Neutrons
 C. Photons D. None of these
32. Vacuum tubes have been replaced by:
 A. Conductors B. Diodes
 C. Transistors D. None of these
33. Dacron is
 A. Polyethylene B. Epoxy
 C. Polyamide D. None of these
34. It is a secondary plant nutrient:
 A. Nitrogen B. Phosphorus
 C. Sulphur D. None of these
35. An area of microbiology that is concerned with the occurrence of disease in human population is

- A. Immunology B. Parasitology
C. Epidemiology D. None of these
36. The number of electrons of a neutral atom is automatically known if one knows the:
A. Atomic number
B. Atomic weight
C. Number of orbitals
D. None of these
37. Which of the following is not an enzyme?
A. Chymotrypsin B. Secretin
C. Pepsin D. None of these
38. It is impossible for a type of O+ baby to have a type of _____ mother:
A. AB- B. O-
C. O+ D. None of these
39. Serum if blood plasma minus its:
A. Calcium ions B. Clotting proteins
C. Globulins D. None of these
40. The autonomic nervous system innervates all of these except:
A. Cardiac muscles B. Skeletal muscles
C. Smooth muscles D. None of these
41. The damage to the _____ nerve could result in the defect of the eye movement:
A. Optic B. Trigeminal
C. Abducens
D. None of these (Cranial nerve)
42. Which of these is not a region of the spinal cord?
A. Thoracic B. Pelvic
C. Lumbar D. None of these
43. The shape of the external ear is due to:
A. Elastic cartilage
B. Fibrocartilage
C. Articular cartilage
D. None of these
44. The external surface of the stomach is covered by
A. Mucosa B. Serosa
C. Parietal peritoneum
D. None of these
45. Which of the following is not a human organ system?
A. Integumentary B. Muscular
C. Epithelial D. None of these
46. Which of the following does not vary predictably with the depth of the aquatic environment?
A. Salinity B. Temperature
C. Penetration by Sunlight
D. None of these
47. The quantity of available nutrients _____ from the lower levels of the energy pyramids to the higher ones.
A. Increases B. Decreases
C. Remains stable D. None of these

ANSWER KEY

1.	B.	Chromosomes	2.	A.	Albert Einstein
3.	B.	Zoology	4.	A.	A sea bird
5.	D.	None of these	6.	C.	Jupiter
7.	A.	Tiger	8.	A.	Domestic fowl
9.	A.	Mosses	10.	D.	None of these
11.	A.	Silicon Dioxide (SiO_2)	12.	B.	February
13.	C.	Same atomic number and different atomic weight	14.	D.	Vitamin C
15.	D.	None of these	16.	C.	Allergy
17.	A.	Pituitary	18.	C.	Artificial active
19.	A.	Ionizing Radiations	20.	C.	Lithosphere
21.	A.	Pythagoras	22.	B.	Nucleic acids
23.	C.	John Kepler	24.	A.	Three
25.	A.	$\text{U } 235$	26.	B.	Two Protons and two Neutrons
27.	B.	Electrons	28.	A.	France
29.	A.	Dobson	30.	B.	Stratosphere
31.	C.	Photons	32.	C.	Transistors

33.	A.	Polyethylene	34.	C.	Sulphur
35.	C.	Epidemiology	36.	A.	Atomic number
37.	B.	Secretin	38.	A.	AB-
39.	B.	Clotting proteins	40.	B.	Skeletal muscles
41.	D.	None of these (Cranial nerve)	42.	B.	Pelvic
43.	A.	Elastic cartilage	44.	B.	Serosa
45.	C.	Epithelial	46.	A.	Salinity
47.	B.	Decreases			

1. What is the smallest unit of heredity?
A. Chromosomes B. Gene
C. Nucleotides D. None of these
2. The echo of Big Bang can be heard in the form of:
A. Cosmic microwave background
B. Gamma rays
C. Microwave radio signals
D. Infrared radiations
3. Omar Khayyam was a:
A. Poet B. Mathematician
C. Astronomer D. All of these
4. Who was the early dentist and also inventor of many surgical instruments:
A. Avicenna B. Al-Zahrawi
C. Ibn-ul-haithem D. Al-Jahiz
5. who was the first Muslim mathematician who used "Zero" :
A. Ibn-e-Baitar B. Ibn-e-Rushd
C. Ibn-al-Haitham D. Al Khwarizmi
6. Why some nebulae shine?
A. Because they emit light
B. Due to burning process
C. Because they contain bright stars
D. Because they reflect light
7. A shooting star is.
A. Sun B. A comet
C. A meteor D. An asteroid
8. A 'clinical death' takes place when:
A. There is no pulse
B. There is no heart beat
C. Pupils are fixed and dilated and there is no reaction to light
D. All of above
9. What is Hubble Classification :
A. Classification of stars
B. Classification of planets
C. Classification of galaxies
D. Classification of earth's zones
10. Sun rises in the east and sets in the west due to the:
A. Shape of earth
B. Rotation of earth around the sun
C. Rotation of earth on its axis
D. Movement of the sun
11. What are cyclones?
A. Sudden heavy floods
B. No rain for a long period
C. Heavy showers
D. Violent wind and rain
12. From ecological point of view human beings are taken as:
A. Decomposer B. Consumers
C. Producers D. All of these
13. The major cause of land pollution is:
A. Pesticides
B. Chemical fertilizers
C. Insecticides D. All of these
14. The sharp-bitter taste of unripe fruits is due to high concentration of:
A. Phenolic compounds
B. Volatile compounds
C. Organic acids D. Starch
15. The use of antibiotic is a very effective way of killing disease causing bacteria. Sometime people don't finish all of their pills. This can result in:
A. Some bacteria left alive

- B. Production of more bacteria
C. Bacteria becoming sensitive to antibiotics
D. Bacteria becoming resistant to antibiotics
16. Flesh eaters are called:
A. Omnivores B. Carnivores
C. Herbivores D. Scavengers
17. Chromosomes are made up of:
A. DNA only
B. DNA & RNA
C. Proteins only
D. DNA & Proteins
18. Plants can be made disease resistant by:
A. Heat Treatment
B. Hormone treatment
C. Colchicine treatment
D. Breeding with their wild relatives
19. Important ingredient used in Vicks vapor rub is obtained from the plant:
A. Cinnamomum Camphora
B. Cinnamomum zelamicum
C. Curaima longa
D. All of these
20. Which of the following is both endocrine and exocrine gland:
A. Thyroid B. Pancreas
C. Parathyroid D. All of these
21. The process by which small amount of impurities are added into a semiconductor is called:
A. Addition B. Conduction
C. Doping D. Insulating
22. Which of the following is a semiconductor?
A. Mercury B. Magnesium
C. Silver D. None of these
23. Silver fish belongs to:
A. Fish B. Insect
C. Reptile D. Amphibian
24. Satiety is the condition in which patient lacks desire to:
A. Drink B. Eat
C. Sleep D. Talk
25. Function of iron in our body is:
A. Provide strength
B. Oxygen transport
C. Help in hydrolysis
D. Breakdown fats
26. The non-communicable disease is called:
A. Endemic B. Acute
C. Chronic D. Innate
27. Vitamins A,D,E and K are called:
A. Water soluble vitamins
B. Primary vitamins
C. Basic vitamins
D. Fat soluble vitamins
28. Which is not a function of HCL in stomach:
A. Softening fibrous food elements
B. Promoting formation of pepsin
C. Killing bacteria ingested with food and drink
D. Breakdown proteins into peptones
29. The sum of the kinetic energy and potential energy of an oscillating body is
A. Maximum in the beginning
B. Constant at all points
C. Maximum at midway of the path
D. Minimum in the beginning
30. Which term in psychology is generally used to refer to emotional disorders such as, anxiety, depression and phobia:
A. Psyches B. Hypnosis
C. Neurosis D. Mental illness
31. All alkali metals react with water to form:
A. Oxides B. Peroxides
C. Hydroxides D. Hyper oxides
32. Permanent hardness of water is due to the presence of
A. Calcium bicarbonate
B. Magnesium bicarbonate
C. Calcium sulphate
D. Sodium bicarbonate
33. LASER is an acronym for:
A. Light Amplification by Standard Emission of Light
B. Light Absorption Stimulated Entrance of Radiation
C. Light Amplification by Stimulated Emission of Radiation

- D. Light Absorption by Standard Emission of Radiation
34. If carbon dioxide is passed through lime water for a long time , the cloudy white colour (initially formed) disappears because of the formation of :
 A. Calcium bicarbonate
 B. Calcium hydroxide
 C. Calcium carbonate
 D. Calcium sulphate
35. Articles made of copper and bronze slowly tarnish in air and turn green , the green colour is due to the formation of :
 A. Copper oxide B. Copper sulphide
 C. Copper oxalate D. All of these
36. Bleaching powder losses its power on keeping for a long time because
 A. It changes into calcium hypochlorite
 B. It changes into calcium chloride and calcium hydroxide
 C. It absorbs moisture
 D. It changes into calcium chloride and calcium chlorate
37. When the quantity of charge on each of the two bodies is doubled, the force between them becomes
 A. One fourth B. One half
 C. Twice D. Four times
38. Light year is related to:
 A. Time B. Distance
 C. Energy D. Speed
39. The word ceramic means:
 A. Hard material B. Soft material
 C. Dry material D. Burnt material
40. The operation of solar cell is based on
 A. Laser technology
 B. Photoconduction
 C. Thermal emission
 D. Tyndall effect
41. The minimum number of bits required to store hexadecimal number AF is
 A. 2 B. 4
 C. 8 D. 16
42. Which of the following minerals is most resistant to chemical weathering
 A. Olivine B. Quartz
- C. Hornblende
 D. Potassium feldspar
43. An igneous rock contains a radioactive isotope that has a half-life of 10 million years. Careful analysis shows that only one quarter of the original concentration of the parent isotope is left. How old is this igneous rock?
 A. 10 Million years B. 20 Million years
 C. 30 Million years D. 40 Million years
44. The discipline which deals with the understanding and treatment of mental health is called:
 A. Applied psychology
 B. Clinical psychology
 C. Psychoanalysis
 D. Psychiatry
45. Overcooking of food should be avoided because overcooking:
 A. Makes the food difficult to digest
 B. Makes the food toxic
 C. Increase the nutritive value of food
 D. Reduces the nutritive value of food
46. Optical fibre operates on the principle of:
 A. Tyndal effect
 B. Photoelectric effect
 C. Laser technology
 D. Total internal reflection
47. The sensation of the skin is perceived by:
 A. Epidermis B. The dermis
 C. Endodermis D. None of these
48. The loudness of sound depends on its
 A. Wavelength B. Frequency
 C. Amplitude D. All of these
49. A person standing in front of a mirror finds his image smaller than him and erect, this implies that the mirror is:
 A. Plane B. Concave
 C. Convex D. Not of good quality
50. The densities of three liquids are D, 2D, 3D. What will be the density of the resulting mixture if equal volumes of the three liquids are mixed?
 A. 1.5D B. 2D
 C. 3D D. 6D

ANSWER KEY

1.	B.	Gene	2.	A.	Cosmic microwave background
3.	D.	All of these	4.	B.	Al-Zahrawi
5.	D.	Al Khwarizmi	6.	D.	Because they reflect light
7.	C.	A meteor	8.	D.	All of above
9.	C.	Classification of galaxies	10.	C.	Rotation of earth on its axis
11.	D.	Violent wind and rain	12.	B.	Consumers
13.	D.	All of these	14.	C.	Organic acids
15.	D.	Bacteria becoming resistant to antibiotics	16.	B.	Carnivores
17.	D.	DNA & Proteins	18.	D.	Breeding with their wild relatives
19.	A.	Cinnamomum Camphora	20.	B.	Pancreas
21.	C.	Doping	22.	D.	None of these
23.	B.	Insect	24.	B.	Eat
25.	B.	Oxygen transport	26.	C.	Chronic
27.	D.	Fat soluble vitamins	28.	D.	Breakdown proteins into peptones
29.	B.	Constant at all points	30.	C.	Neurosis
31.	C.	Hydroxides	32.	C.	Calcium sulphate
33.	C.	Light Amplification by Stimulated Emission of Radiation	34.	A.	Calcium bicarbonate
35.	A.	Copper oxide	36.	D.	It changes into calcium chloride and calcium chlorate
37.	D.	Four times	38.	B.	Distance
39.	D.	Burnt material	40.	B.	Photoconduction
41.	D.	16	42.	B.	Quartz
43.	B.	20 Million years	44.	B.	Clinical psychology
45.	D.	Reduces the nutritive value of food	46.	D.	Total internal reflection
47.	A.	Epidermis	48.	C.	Amplitude
49.	B.	Concave	50.	B.	2D