

Sr No.	MSc Marine Biology
1	Which term will replace the question mark in the series: ABD,DGK,HMS,MTB,SBL, ?
Alt1	ZKU
Alt2	ZKW
Alt3	ZAB
Alt4	XKW

2	Choose word from the given options which bears the same relationship to the third word, as the first two bears: Illiteracy: Education:: Flood:?
Alt1	Rain
Alt2	Bridge
Alt3	Dam
Alt4	River

3	Select the lettered pair that has the same relationship as the original pair of words: Sip : Gulp
Alt1	Touch: Push
Alt2	Cup: Class
Alt3	Tent: Hut
Alt4	Soup: Water

4	Select the lettered pair that has the same relationship as the original pair of words: Low : Cattle
Alt1	Sheep: Beef
Alt2	Gaggle: Chicken
Alt3	Grunt: Hogs
Alt4	Flock: Goat

5	Find out the number that has the same relationship as the numbers of the given pair: 8 : 81 :: 64 : ?
Alt1	125
Alt2	137
Alt3	525
Alt4	625

6	Spot the defective segment from the following:
Alt1	It's time
Alt2	the students dispersed
Alt3	to go to home
Alt4	after study hours

7	There is no ----- in our car and it is already crowded.
Alt1	room
Alt2	place
Alt3	seat

Alt4	space
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8	Newton ----- loved his pet dog very much.
Alt1	a scientist
Alt2	the scientist
Alt3	scientist
Alt4	one scientist

9	Choose the option closest in meaning to the given word: JINGOISM
Alt1	deism
Alt2	chauvinism
Alt3	extremism
Alt4	pacifism

10	Choose the antonymous option you consider the best: QUACK
Alt1	bizarre
Alt2	procurer
Alt3	charlatan
Alt4	authority

11	In a village there are 1000 persons. Out of which 800 are literates. Out of 1000,700 are criminals. There are 550 literate criminals in that village. How many illiterate non criminals are there?
Alt1	150
Alt2	250
Alt3	50
Alt4	200

12	Average weight of A,B,C is 45; Average weight of A&B is 40; Average weight of B&c is 43, Weight of B is
Alt1	17
Alt2	20
Alt3	26
Alt4	31

13	Which of the following cannot be the Median of the three positive Integers X,Y & Z ?
Alt1	X
Alt2	Z
Alt3	X+Z
Alt4	$(X+Z)/3$

14	How many Zero's are there in the product $1*2*3*.....*10$
Alt1	2
Alt2	10
Alt3	5

Alt4	6
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15	A,B,C,D work on a project. Together A,B & C can complete in 100 days; Together B,C & D can complete in 101 days; Together C,D & A can complete in 102 days; together D,A & B can complete in 103 days . Rank them from the best to the worst performer.
Alt1	C>B>A>D
Alt2	C>A>B>D
Alt3	D>B>A>C
Alt4	D>A>B>C

16	22 Students are evenly spaced on the circumference of a big circle. They are numbered 1 to 22. which number is opposite to 17?
Alt1	8
Alt2	5
Alt3	7
Alt4	6

17	The fare of a luxury cab is Rs. X for the first five Kilometres and Rs,13/- per Kilometre thereafter. If a passenger pays Rs.2402/- for a journey of 187 kilometres, what is the value of X ?
Alt1	Rs.29
Alt2	Rs.39
Alt3	Rs.36
Alt4	Rs.31

18	An HR Company employs 4800 people out of which 45 per cent are males and 60 per cent of males are either 25 years or older. How many males are employed in that company who are younger than 25 years ?
Alt1	2640
Alt2	2160
Alt3	1296
Alt4	864

19	A person buys a shirt with marked price Rs.400/- at 20% discount. In order to make a profit of 20% the person should sell the shirt for
Alt1	Rs.400/-
Alt2	Rs.384/-
Alt3	Rs.320/-
Alt4	Rs.480/-

20	The following information is given:(i) Five friends P, Q, R, S and T travelled to five different cities of Chennai, Calcutta, Delhi, Bangalore and Hyderabad by five different modes of transport of Bus, Train, Aeroplane, Car and Boat from Mumbai. (ii) The person who travelled to Delhi did not travel by boat. (iii) R went to Bangalore by car and Q went to Calcutta by aeroplane.(iv) S travelled by boat whereas T travelled by train. (v) Mumbai is not connected by bus to Delhi and Chennai. Which of the following combinations of place and mode is not correct ?
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Alt1	Delhi — Bus
Alt2	Calcutta — Aeroplane
Alt3	Bangalore — Car
Alt4	Chennai — Boat

21	RNA
Alt1	RNA
Alt2	Chromatin
Alt3	Carbohydrates
Alt4	Proteins

22	Thermal radiation falls is:-
Alt1	Visible range
Alt2	Infrared range
Alt3	Cosmic range
Alt4	Ultraviolet range

23	Which of the following is a manmade element?
Alt1	Lr
Alt2	Ra
Alt3	Fr
Alt4	Rn

24	A cylinder is completely filled with water, if $1/4$ of the volume of water leaks out, its centre of mass:-
Alt1	Does not change
Alt2	Moves down
Alt3	Moves up
Alt4	Moves towards vertical surface

25	The process of heat transfer without affecting the medium is called as:-
Alt1	Conduction
Alt2	Radiation
Alt3	Advection
Alt4	Convection

26	Which of the following reacts most violently with the water?
Alt1	Cs
Alt2	Na
Alt3	Rb
Alt4	K

27	Exoskeleton of crustaceans are formed of:-
Alt1	Dextrin
Alt2	Inuline
Alt3	Heparin
Alt4	Chitin

28	Golgi apparatus takes part in the process of:-
Alt1	Protein synthesis
Alt2	Carbohydrate synthesis
Alt3	Oxidative phosphorylation
Alt4	Lipid synthesis

29	The two strands of DNA is held by which of the following:-
Alt1	Hydrogen bond
Alt2	Sulphide bond
Alt3	Oxygen bond
Alt4	Phosphate bond

30	To reduce the friction between the moving parts of a machine, the liquid used must be of:-
Alt1	Low density
Alt2	High viscosity
Alt3	Low boiling point
Alt4	Low viscosity

31	Endoplasmic reticulum is associated with:-
Alt1	Cholesterol formation
Alt2	Proteolysis
Alt3	Fatty Acid synthesis
Alt4	Peptide bond formation

32	Which of the following gas thermometer ca be used to measure very low temperature:-
Alt1	Air
Alt2	Pyrogen
Alt3	Helium
Alt4	Hydrogen

33	Tidal waves in the sea are primarily due to:-
Alt1	Atmospheric effect of the earth
Alt2	Gravitational effect of the moon on the earth
Alt3	Gravitational effect of the sun on the earth
Alt4	Wind effect

34	In nature, mostly the Nitrogen is fixed by:-
Alt1	Symbiotic bacteria
Alt2	Chemosynthesis
Alt3	Denitrifying bacteria
Alt4	Lightning

35	A real gas can be approximated to an ideal gas at:-
Alt1	Low density
Alt2	Low temperature
Alt3	High pressure

Alt4	High density
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36	The enzyme, pepsin converts protein into:-
Alt1	Emulsified protein
Alt2	Glucopetides
Alt3	Polypeptides
Alt4	Glycoprotein

37	Magnetic induction and magnetic flux differ in the dimensions of:-
Alt1	Length
Alt2	Electric current
Alt3	Time
Alt4	Mass

38	Velocity of sound in a medium is given by $A\sqrt{2d^{-1}}$, where 'd' is density of medium. Then A represents:-
Alt1	Elastic constant
Alt2	Volume
Alt3	Energy
Alt4	Compressibility

39	The path of the centre of mass of earth-moon system around the sun is:-
Alt1	Parabolic path
Alt2	Elliptical path
Alt3	Helical path
Alt4	Circular path

40	The temperature of the sun is measured with:-
Alt1	Vapour pressure thermometer
Alt2	Platinum thermometer
Alt3	Gas thermometer
Alt4	Pyrometer

41	In Oceans what is the approximate percent (%) of water:-
Alt1	70
Alt2	30
Alt3	90
Alt4	45

42	Carbon remains available to the crop plants in the form of:-
Alt1	Amino acids
Alt2	Element carbon
Alt3	Carbon dioxide
Alt4	Carbonates

43	During the process of mitosis nuclear envelope and nucleolus disappear during:-
Alt1	Metaphase

Alt2	Prophase
Alt3	Interphase
Alt4	Telophase

44	The force responsible for the motion of planets around sun is:-
Alt1	Magnetic
Alt2	Electrostatic
Alt3	Gravitational
Alt4	Frictional

45	The Minamata epidemic was caused due to:-
Alt1	Cadmium
Alt2	Mercury
Alt3	Lead
Alt4	Zinc

46	A body at rest can have:-
Alt1	Kinetic energy
Alt2	Momentum
Alt3	Potential energy
Alt4	Both momentum and potential energy

47	Presence of lateral line on both sides of fishes are responsible for:-
Alt1	Photo receptors
Alt2	Mechanoreceptors
Alt3	Chemoreceptors
Alt4	Olfacto receptors

48	Which ions are responsible for the electrical potential across the cell membrane?
Alt1	Na ⁺ & Ca ²⁺
Alt2	Na ⁺ & Zn ²⁺
Alt3	K ⁺ & Ba ²⁺
Alt4	Na ⁺ & K ⁺

49	Absence of which of the following system identifies Porifera:-
Alt1	Digestive system
Alt2	Respiratory system
Alt3	Reproductive system
Alt4	Nervous system

50	The species richness in an ecosystem best explains:-
Alt1	Ecosystem
Alt2	Biodiversity
Alt3	Forest
Alt4	Richness of species

51	When any detergent is added to pure water it surface tension:-
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Alt1	Increases
Alt2	Does not change
Alt3	Decreases
Alt4	Becomes zero

52	The gas liberated when aluminum reacts with concentrated H ₂ SO ₄ is:-
Alt1	SO ₂
Alt2	H ₂ S
Alt3	H ₂
Alt4	O ₂

53	A large ice berg melts at the base but not at the top because:-
Alt1	Elevation of melting at its base due to high pressure
Alt2	Lowering of melting at its base due to high pressure
Alt3	At the base it is slightly warm
Alt4	At its base it contains impurities

54	The law, which governs the working of a spring balance is:-
Alt1	Kepler's law
Alt2	Newton's law
Alt3	Robert Hooke's law
Alt4	Young's law

55	Chlorophyll contains:-
Alt1	K
Alt2	Fe
Alt3	Mg
Alt4	Mn

56	When two water droplets merge to form a large droplet, in this process:-
Alt1	Energy is absorbed
Alt2	Energy neither liberated nor absorbed
Alt3	Some mass is converted to energy
Alt4	Energy is liberated

57	Silicon cells can maximize the efficiency of:-
Alt1	Computer
Alt2	Electric generator
Alt3	solar cooker
Alt4	wind turbines

58	Mechanism of DNA replication was originally characterized in:-
Alt1	Fungi
Alt2	Virus
Alt3	Bacteria
Alt4	Algae

59	Heat and thermal capacity differ in the dimension of:-
Alt1	Mass
Alt2	Time
Alt3	Length
Alt4	Temperature

60	The triple point for water is:-
Alt1	0°C at a pressure of 1 atm.
Alt2	-273 °C of a pressure of 4 mm of Hg
Alt3	273 K at a pressure of 76 mm of Hg
Alt4	273. 16K at a pressure of 613 Pa

61	One horse power is equal to:-
Alt1	746 W
Alt2	373W
Alt3	746J
Alt4	1746W

62	Solid CO ₂ is used in:-
Alt1	Anaesthesia
Alt2	Poison
Alt3	Artificial respirant
Alt4	Refrigerant

63	If the length and breadth of a plate are (40 ± 0.1) and 30 ± 0.1 cm, the absolute error in measurement of area is:-
Alt1	8 cm ²
Alt2	10 cm ²
Alt3	7 cm ²
Alt4	9 cm ²

64	The process of nutrient enrichment of water bodies is known as:-
Alt1	Nutrition
Alt2	Nitrification
Alt3	Nitrogen fixation
Alt4	Eutrofication

65	If the units of the length, mass and time are doubled, the unit of the force will be:-
Alt1	Quadrupled
Alt2	Halved
Alt3	Doubled
Alt4	Unchanged

66	Zero of an instrument introduces:-
Alt1	Gross error
Alt2	Systematic error
Alt3	Random error

Alt4	Total error
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67	Tectonic force is related with the building of various features of:-
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Alt1	Earth's surface
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Alt2	Mountains
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Alt3	Earth's crust
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Alt4	Cyclones
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68	The enzymes that converts proteins into polypeptides:-
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Alt1	Trypsin
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Alt2	Chymotrypsin
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Alt3	Pepsin
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Alt4	Rennin
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69	Ocean currents are:-
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Alt1	River of cold water merging with the ocean
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Alt2	River of cold and warm water merging with the ocean
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Alt3	River of warm water merging with the ocean
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Alt4	Current of ocean
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70	The antibiotic penicillin is obtained from a:-
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Alt1	Virus infected cells
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Alt2	Fungus
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Alt3	Synthetic means
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Alt4	A bacterium
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71	The period of lunar eclipse is longer when:-
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Alt1	The moon is moving at very low speed
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Alt2	The moon is at the farthest point from the earth
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Alt3	The eclipse occurs at night
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Alt4	The moon is nearer to the earth
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72	Imaginary lines connecting places in oceans having equal salinity are:-
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Alt1	Isobars
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Alt2	Isohyets
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Alt3	Isohalines
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Alt4	Isotherms
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73	Ocean currents have greater influence on:-
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Alt1	Climate
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Alt2	Soil
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Alt3	Land form
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Alt4	Ocean bottom structure
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74	Ultraviolet radiation from sun light causes the reaction that produces:-
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Alt1	SO ₂
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Alt2	Ozone
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Alt3	CO
Alt4	Fluorides

75	When a narrow strip land connecting two large land masses, it is known as:-
Alt1	Bay
Alt2	Isthmus
Alt3	Strait
Alt4	Pass

76	Which of the following is not an atmospheric pollutant?
Alt1	Hydrocarbons
Alt2	CO
Alt3	SO ₂
Alt4	CO ₂

77	Several tropical cyclones of Pacific Ocean are generally called as:-
Alt1	Typhoons
Alt2	Depressions
Alt3	Tornadoes
Alt4	Hurricanes

78	Which of the following is also called as water hemisphere?
Alt1	Western hemisphere
Alt2	Southern hemisphere
Alt3	Eastern hemisphere
Alt4	Northern hemisphere

79	Anticyclones are caused by:-
Alt1	Winds that flow spirally outward from the centre
Alt2	Violent winds
Alt3	Heavy rain fall
Alt4	Winds that rotate round the centre of minimum of low barometer pressure

80	The chemical that is responsible for depletion of ozone in the stratosphere is:-
Alt1	CF ₄
Alt2	CCl ₄
Alt3	CHF ₃
Alt4	CF ₂ Cl ₂

81	The study of microscopic structure of tissues and organ is known as:-
Alt1	Endocrinology
Alt2	Immunology
Alt3	Pathology
Alt4	Histology

82	Which of the following represents mRNA:-
Alt1	A controlling factor for specifically in protein synthesis

Alt2	A mixture of RNA and DNA
Alt3	Synthesized in the nucleus and transferred to the cytoplasm
Alt4	An expression of the information in DNA

83	When molten magma solidifies, it forms rocks like:-
Alt1	Sedimentary
Alt2	Calcite
Alt3	Igneous
Alt4	Metamorphic

84	What is the main function of amyloplast?
Alt1	Light absorbing
Alt2	Starch storing
Alt3	Lipid synthesizing
Alt4	Lipid absorbing

85	The first fossil records of vertebrates were found in the rocks of:-
Alt1	Ordovician
Alt2	Jurassic
Alt3	Cambrian
Alt4	Devonian

86	Radiata include:-
Alt1	Coelenterata & Platyhelminthes
Alt2	Coelenterata & Ctenophora
Alt3	Porifera & Platyhelminthes
Alt4	Porifera & Coelenterata

87	According to the system of binomial nomenclature every organisms has:-
Alt1	One scientific name of which first part is genus and other species
Alt2	Two names one for the place to which it belongs and the other of the discoverer
Alt3	One name established by two scientists
Alt4	Two names one scientific and one common

88	Notochord in cephalochordates:-
Alt1	Completely absent
Alt2	Extends from rostrum to pharynx
Alt3	Extends from rostrum to tail
Alt4	Extends from pharynx to tail

89	Osmoregulation in Euglena occur with the help of:-
Alt1	Contractile vacuole
Alt2	Food vacuole
Alt3	Vacuole
Alt4	None

90	Syncytial theory explains:-
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Alt1	Origin of metazoan
Alt2	Formation of coelom
Alt3	Origin of life
Alt4	Symmetry of animals

91	Mineral salts are absorbed from the soil solution in the form of:-
Alt1	Liquids
Alt2	Solids
Alt3	Ions
Alt4	Gases

92	The study of Mollusca is generally known as:-
Alt1	Helminthology
Alt2	Herpatology
Alt3	Concology
Alt4	Malacology

93	What is meant by intracellular parasite?
Alt1	Parasite inside the cells
Alt2	Parasite which interconnects neighboring cells
Alt3	Parasite between the cells
Alt4	Parasite on the outer surface of cells

94	Squamous epithelium is also called:-
Alt1	Bridge epithelium
Alt2	Cuboidal epithelium
Alt3	Cement epithelium
Alt4	Pavement epithelium

95	Which of the plant hormone is also called as stress hormone:-
Alt1	Absciscic acid
Alt2	Auxin
Alt3	Ethylene
Alt4	Gibberellin

96	Cellulosic cell wall in nature is:-
Alt1	Polysaccharide
Alt2	Protein
Alt3	Lipid
Alt4	Nucleic acid

97	The sequence of 3 nucleotides in polynucleotide chains of the DNA molecule is called:-
Alt1	Triplet code
Alt2	Genetic code
Alt3	Chain termination
Alt4	Nonsense codon

98	Type of fusion between one large, nonmotile female gamete and a smaller motile gamete is called:-
Alt1	Polygamous
Alt2	Anisogamous
Alt3	Isogamous
Alt4	Oogamous

99	Hypnotoxin is a poisonous fluid produced by:-
Alt1	Ascaris
Alt2	Nematocysts
Alt3	Sponges
Alt4	Parasitic protozoa

100	Most simple and commonest type of larva is:-
Alt1	Nauplius
Alt2	Zoea
Alt3	Alima
Alt4	Megalopa