



AL HABIB ACADEMY

Test Preparation For NTS, STS, SPSC, FPSC, Etc

Everyday Science MCQs

1. Which is the outermost planet in the solar system?
 - A. Mercury
 - B. Pluto
 - C. **Neptune**
 - D. Uranus
2. The Sun is a _____?
 - A. **Star**
 - B. Planet
 - C. Asteroid
 - D. Meteor
3. Which from the following is NOT a conductor?
 - A. Aluminium
 - B. Gold
 - C. Graphite
 - D. **All are conductors**
4. In a very low temperature which from the following will freeze at last?
 - A. River water
 - B. Canal water
 - C. **Sea water**
 - D. Water in a lake
5. The planet which is easily visible from the Earth is?
 - A. Mercury
 - B. **Venus**
 - C. Mars
 - D. Jupiter
6. What is Dry Ice?
 - A. Solid Oxygen
 - B. **Solid Carbon Dioxide**
 - C. Solid Hydrogen
 - D. Solid Nitrogen

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7. **The good sources of Vitamin-B Complex are?**
- A. green leafy vegetables
 - B. seeds**
 - C. fresh vegetables and fruits
 - D. sea foods
8. **Water covers _____ of the Earth's surface?**
- A. 61%
 - B. 67%
 - C. 71%**
 - D. 76%
9. **The three elements needed for healthy growth of plants are _____?**
- A. N, P, K**
 - B. N, C, P
 - C. N, K,
 - D. N, S, P
10. **Which of the following elements is not present abundantly in earth's crust?**
- A. Silicon
 - B. Radium**
 - C. Aluminum
 - D. Carbon
11. **Dr. Abdus Salam of Pakistan was one of the contributors of the unification of _____?**
- A. Electromagnetic force and gravitational force
 - B. Electromagnetic force and weak nuclear force**
 - C. Gravitational force and weak nuclear force
 - D. Weak nuclear force and strong nuclear force
12. **Dry ice is _____?**
- A. Methane hydrate
 - B. Liquid Nitrogen
 - C. Solid Carbon dioxide**
 - D. Frozen Water
13. **Diamond is a very expensive ornament. It is composed of a single element _____?**
- A. Carbon**
 - B. Gold

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C. Silver

D. Platinum

14. **Monsoon is caused by_____?**

A. **Seasonal reversal of winds**

B. Revolution of earth

C. Movement of clouds

D. Rise in temperature

15. **The fruits without seed, like banana, are called_____?**

A. Seedless fruits

B. Parthenogenesis fruits

C. **Parthenocarpic fruits**

D. placental fruits

16. **The principle used in radar is the same as that of Sonar. In radar we use radio waves; whereas in sonar we use?**

A. red waves

B. Infrared waves

C. **Ultrasonic**

D. super sonic

17. **Magnifying power of a simple microscope can be increased by?**

A. increasing focal length of the lens

B. **Decreasing focal length of the lens**

C. Lens of large aperture

D. lens of short aperture

18. **Total volume of blood in a normal adult human being is?**

A. **5-6 liters**

B. 3-4 liters

C. 8-10 liters

D. 10-12 liters

19. **Which is the largest gland in the human body?**

A. Thyroid

B. **Liver**

C. Pancreas

D. None of these

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20. Which of the following diseases is caused by virus?
- A. **Smallpox**
 - B. Tuberculosis
 - C. Malaria
 - D. Cholera
21. Which part of the Camera is analogue to the retina in the human eye?
- A. Lens
 - B. **Film**
 - C. Aperture
 - D. Shutter
22. T.V. transmission cannot cover a very large area because?
- A. the strength of T.V. waves is very limited
 - B. picture cannot be transmitted clearly after a specific distance
 - C. **the shape of the earth is spherical**
 - D. the air is not a good conductor of light and sound/waves
23. Water is a highly effective coolant for a car engine because _____?
- A. Water is good conductor of heat
 - B. **Water has very high specific heat capacity**
 - C. Water boils at a comparatively high temperature
 - D. Evaporation of water produces lot of cooling
24. The theory of Expanding Universe was first propounded by _____?
- A. Einstein
 - B. Newton
 - C. Gahleo
 - D. **Hubble**
25. The dominant phase of life cycle in these organism is haploid?
- A. **Mosses**
 - B. Bacteria
 - C. Protozoa
 - D. None
26. The earth's _____ is divided into 15 major plates of various sizes?
- A. Mesosphere
 - B. Stratosphere

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C. Lithosphere

D. None

27. **Geiger-Muller counter is used to detect_____?**

A. Protons

B. Neutrons

C. Photons

D. none

28. **Which of these is not a region of the spinal cord?**

A. Thoracic

B. Pelvic

C. Lumbar

D. none

29. **A tight-rope walker carries a long pole which he holds across his body. The purpose of this pole is to_____?**

A. Prop him up if he falls

B. Spread out his weight and reduce the pressure on the rope

C. Add extra weight to keep the rope tightly stretched

D. To keep the Center of gravity always above vertically above the rope

30. **The protons and neutrons are found in the center of the atom, which is called the _____of the atom?**

A. Nucleus

B. Headquarters

C. Hub

D. None of These

31. **Vertebral Column in human beings consists of how many vertebrae?**

A. 5

B. 10

C. 12

D. 33

32. **which of these plants open its mouth when insect sit on its lid?**

A. Sunflower

B. Pitcher plant

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C. Brassica Plant

D. None of these

33. **Short-sight defect** could be corrected by a _____ lens?

A. **concave lens**

B. convex lens

C. converging lens

D. none of these

34. **Sunlight is a Great Source of** _____?

A. vitamin C

B. **vitamin D**

C. vitamin E

D. vitamin K

35. **Current stage of star 'Sun' is** _____?

A. white dwarf

B. red giant

C. **yellow dwarf**

D. orange dwarf

36. **The pancreas secretes** _____?

A. **Insulin**

B. Vitamin A

C. Bile juice

D. none of these

37. **When a star becomes a singularity and has zero volume and infinite density, it is called** _____?

A. White dwarf

B. Blue giant

C. Wolf-Raynet star

D. **Black hole**

38. **Which one is the brightest star in the night sky?**

A. Betelgeuse

B. **Sirius**

C. Rigel

D. Polaris

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39. Which of the following is a substance?

- A. Sea water
- B. Brass
- C. Tap water
- D. **Graphite**

40. All of the following are electromagnetic radiations except _____?

- A. Red light
- B. **Sound waves**
- C. X-Rays
- D. Photon

41. The 'stone' formed in human kidney consist mostly of _____?

- A. **Calcium oxalate**
- B. Sodium acetate
- C. Magnesium sulphate
- D. Calcium

42. Afternoon rains in the equatorial region are the result of influences _____?

- A. Land Breeze
- B. Monsoon
- C. Frontal
- D. **Convictional**

43. Bore is caused by _____?

- A. **Rising tide while meeting river currents**
- B. Friction from prevailing winds
- C. Spring tide and strong winds
- D. Unequal heating of oceans

44. Which Vitamin gets destroyed on heating?

- A. B
- B. E
- C. K
- D. C

45. What is the element required for solar energy conversion _____?

- A. Ultra pure carbon
- B. **Silicon**

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C. Beryllium

D. Tantalum

46. Which among the following is responsible for producing color of human skin ____?

A. Insulin

B. Vitamin K

C. **Melanin**

D. DNA

47. Sum of all ecosystems is classified as _____?

A. Aerosphere

B. Ionosphere

C. **Biosphere**

D. Ozonosphere

48. Big Bang was an explosion that occurred?

A. 10 Billion years ago

B. **15 Billion years ago**

C. 20 Billion years ago

D. 25 Billion years ago

49. what is the height of The atmosphere layer mesosphere?

A. **85 km**

B. 50 km

C. 40 km

D. 10 km

50. Which of the following conditions related to smoking involves damage to the alveoli sacs?

A. Lung Cancer

B. Atherosclerosis

C. **Emphysema**

D. Asthma

51. The atmosphere near the earth's surface is "heated from below." Which of the following does not significantly contribute to this heating?

A. Conduction of heat upward from a hot surface

B. Convection from a hot surface

C. Absorption of infrared energy radiated from the surface

D. **Heat energy from the earth's interior**

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52. The temperature at which water boils depends mainly on _____?
- A. Air temperature
 - B. Relative humidity
 - C. **Air pressure**
 - D. Air density
53. "Elephant" large unit of paper measurement equal to 28 by _____
- A. **23 inches**
 - B. 25 inches
 - C. 28 inches
 - D. 31 inches
54. The top atmosphere of the Earth directly reflects back into space nearly what part of the total amount of sun's energy coming to it?
- A. 10%
 - B. 20%
 - C. **30%**
 - D. 50%
55. Which of the following is the largest planet?
- A. Neptune
 - B. **Jupiter**
 - C. Saturn
 - D. Mars
56. Study of current and past landscapes formation is known as _____?
- A. Morphology
 - B. Aero logy
 - C. **Geomorphology**
 - D. Biology
57. The most brightest planet amongst the eight planets?
- A. Mercury
 - B. Jupiter
 - C. **Venus**
 - D. Neptune

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58. **Battery was invented by _____?**

- A. Nicolas Léonard Sadi Carnot
- B. Alessandro Volta**
- C. Michael Faraday
- D. Friedrich Bessel

59. **Microphone converts sound energy into _____?**

- A. Microwaves
- B. Electrical signals**
- C. Optical Signals
- D. Heat energy

60. **What are stars mainly made of?**

- A. Balls of gas**
- B. Rock
- C. Ice
- D. Light

61. **Approximate age of moon is _____?**

- A. 4.51 billion years
- B. 4.55 billion years
- C. 4.53 billion years**
- D. 4.57 billion years

62. **The vitamin Folate works together with _____ to produce new red blood cells?**

- A. Vitamin D
- B. Vitamin A
- C. Vitamin B-12**
- D. None of the above

63. **The Mirror used in the Automobiles are _____?**

- A. Concave
- B. Convex**
- C. Plains
- D. Reflective

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64. 'Bar' is the unit of_____?
- A. Temperature
 - B. Heat
 - C. **Atmospheric pressure**
 - D. Current
65. Why normal rain is slightly acidic?
- A. due to presence of dust in air
 - B. **carbon dioxide and water in clouds react to form carbonic acid**
 - C. Ozone depletion
 - D. All of these
66. The scientific study of insects is known as _____?
- A. Ichthyology
 - B. **Entomology**
 - C. Zoology
 - D. Botany
67. The Temperature of the surface of Sun is_____?
- A. **5,778 Kelvin**
 - B. 6,778 Kelvin
 - C. 7,778 Kelvin
 - D. 9,778 Kelvin
68. The Sun is at an average distance of about_____ million kilometers away from Earth?
- A. 100 million
 - B. **150 million**
 - C. 200 million
 - D. 250 million
69. For which one of the following is the density maximum?
- A. Ice
 - B. **Water**
 - C. Benzene
 - D. Chloroform

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70. Inhaled air passes through which of the following in the last?

- A. Bronchiole
- B. Larynx
- C. Pharynx
- D. Trachea

71. Winter Solstice means_____?

- A. longest night
- B. longest day
- C. smallest night
- D. smallest day

72. Who is the founder of solar system?

- A. Copernicus
- B. Newton
- C. Galileo
- D. Kepler

73. The study of the weather is called_____?

- A. Meteorology
- B. Weatherology
- C. Ecology
- D. Geology

74. Vitamin B is found in_____?

- A. Sea Foods
- B. Fruits and Vegetables
- C. Seeds
- D. None of these

75. During a total solar eclipse there is most likely to be_____?

- A. A decrease in the rate of photosynthesis
- B. An increase in the rate of photosynthesis
- C. A decrease in the rate of respiration
- D. No effect on either photosynthesis or respiration

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76. The second most abundant metal found in the earth's crust is_____?

- A. **Silicon**
- B. Aluminium
- C. Calcium
- D. Sodium

77. In the electricity meter the digit to the extreme right is_____?

- A. 1/5th of the unit
- B. 1/100 of the unit
- C. **1/10th of the unit**
- D. 1/1000th of the unit

78. Saliva contains_____?

- A. **Amylases**
- B. Bite
- C. Trypsin
- D. None of these

79. Nail polish remover contains_____?

- A. **Acetone**
- B. Benzene
- C. Acetic acid
- D. Petroleum ether

80. Earth rotates the sun in_____?

- A. **23 hours 56 min 4 sec**
- B. 24 hours
- C. 23 hours 57 min 9 sec
- D. Non of above

81. Oil of vitriol is_____?

- A. Nitric acid
- B. Hydrochloric acid
- C. Phosphoric acid
- D. **Sulfuric acid**

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82. The study of rearing fine and intelligent human beings through genetics is called_____?

- A. **Eugenics**
- B. Biotechnology
- C. Cloning
- D. Geneology

83. What is the range, in hertz, of the normal human hearing?

- A. 10 Hz to 10 kHz
- B. **20 Hz to 20 kHz**
- C. 2000Hz
- D. 40 Hz to 40 kHz

84. Who first measured the velocity of light?

- A. Einstein
- B. Newton
- C. **Ole Roemer**
- D. Galileo

85. The average kinetic energy of the molecules of a body determines?

- A. heat
- B. **temperature**
- C. internal energy
- D. none

86. The post-mortem examination of a body is called _____?

- A. Etymology
- B. **autopsy**
- C. Anatomy
- D. None of these

87. Study of Soil is called_____?

- A. **Pedology**
- B. Pedagogy
- C. sociology
- D. Demography

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88. The toxicity of which of the following heavy metals leads to Liver cirrhosis?

- A. **Copper**
- B. Lead
- C. Mercury
- D. Zinc

89. P Waves are also said to be _____ waves?

- A. **Push-pull**
- B. Side-side
- C. Up-down
- D. None of the above

90. When Pluto was cast out from the list of Planets?

- A. September 24, 2006
- B. April 28, 2004
- C. January 26, 2006
- D. **August 24, 2006**

91. What are the three basic units of measurement for the metric system?

- A. **Metre, litre and gramme**
- B. Centimetre, kilograms and metric
- C. Kilogram, mass and energy
- D. Kelvin, cd and mole

92. The olfactory nerves affect what sense in brain?

- A. **Smell**
- B. Feel
- C. Touch
- D. Hear

93. Which of the following mixture of gases is required in gas welding?

- A. Oxygen and ethylene
- B. Oxygen and hydrogen
- C. **Acetylene and oxygen**
- D. Acetylene and hydrogen

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94. How many times the sun is bigger than the size of the earth?

- A. 69 times
- B. 89 times
- C. 99 times
- D. **109 times**

95. How many eyes does a worm have?

- A. Two
- B. Three
- C. One
- D. **None**

96. Stripes on each side of "Grévy's Zebra" is about_____?

- A. 20+
- B. 30+
- C. **80+**
- D. 36+

97. Mohs' Scale" is used to indicate the_____?

- A. **Degree of hardness of minerals**
- B. Degree of viscosity of a liquid
- C. Degree of elasticity of a material
- D. Degree of brittleness of a substance

98. Which one of the following represents a chemical change_____?

- A. Sublimation of iodine
- B. Heating a platinum wire in a Bunsen flame
- C. **Heating of mercuric oxide powder**
- D. Evaporation of alcohol

99. Liver uses which vitamin for creating new Red Blood cells?

- A. **B12**
- B. B6
- C. A
- D. K

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100. The "Rising" of the "evening star" indicates the direction of the_____?

- A. South Pole
- B. East
- C. **West**
- D. North

101. Dinosaurs and many other species were extinct about _____ years ago.

- A. 55 million
- B. **66 million**
- C. 75 million
- D. 85 million

102. Which of the following is a currency of body cells?

- A. ADP
- B. DNA
- C. RNA
- D. **ATP**

103. Who invented the steamboat?

- A. James Watt
- B. **Robert Fulton**
- C. Frank Whittle
- D. George Stephenson

104. What is one of the other names of Vitamin "A"?

- A. Riboflavin
- B. Ascorbic Acid
- C. **Retinol**
- D. Thiamin

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105. Which law states that the volume of a given amount of gas held at constant pressure is directly proportional to the Kelvin temperature?

- A. Charles' Law
- B. Avogadro's Law
- C. Graham's Law
- D. Boyle's Law

106. A Rhinoscope (or Nasoscope) is a thin, tube-like instrument used to examine the inside of the ____.

- A. Eyes
- B. Nose
- C. Ears
- D. Brains

107. The heaviest naturally occurring element is ____.

- A. Radium
- B. Platinum
- C. Uranium
- D. Cadmium

108. A colloidal system in which a liquid is dispersed into a liquid is called ____.

- A. Precipitate
- B. Gel
- C. Emulsion
- D. Sol

109. Which waves are used in sonography?

- A. Ultrasonic waves
- B. Electromagnetic Waves
- C. Fundamentals of waves
- D. Transverse wave

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110. When sound waves travel from air to water, which of the following quantities remains unchanged?

- A. Speed
- B. Frequency**
- C. Intensity
- D. Wavelength

111. Which of the following is commonly called a polyamide?

- A. Rayon
- B. Nylon**
- C. Terylene
- D. Orion

112. Which of the following is a force?

- A. Heat
- B. Light
- C. Magnetism**
- D. Kinetic

113. The human heart is _____.

- A. Ampullary Heart
- B. Pulsating Heart
- C. Myogenic Heart**
- D. Neurogenic Heart

114. In the context of the environment, the term "dirty dozen" refers to _____.

- A. 12 most harmful greenhouse gases
- B. 12 ozone-depleting substances
- C. 12 persistent organic pollutants**
- D. None of the above

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115. Elements that have the same number of protons but different numbers of neutrons are called ____.

- A. Isotopes**
- B. Isomers
- C. Allotropes
- D. Allomers

116. What is the third most common gas found in the air we breathe?

- A. Hydrogen
- B. Neon
- C. Carbon dioxide
- D. Argon**

117. Which of the following types of coal has the maximum carbon content?

- A. Peat
- B. Lignite
- C. Anthracite**
- D. Bituminous

118. Newton's Third Law of Motion states:

- A. Every action has an equal and opposite reaction.**
- B. Attraction or repulsion between two charges
- C. Volume of a given mass of gas increases or decreases
- D. Temperature remaining constant, volume of a given mass of a gas varies inversely

119. Blood does not coagulate inside the body due to the presence of ____.

- A. Hemoglobin
- B. Fibrin
- C. Heparin**
- D. Plasma

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120. 1 yard = _____ feet.

- A. 3 feet**
- B. 6 feet
- C. 2.4 feet
- D. 12 feet

121. The electric motor was invented by _____.

- A. Michael Faraday**
- B. Oliver Evans
- C. Thomas Edison
- D. Horace Day

122. In the entire Periodic Table, which element is the most reducing agent?

- A. Chlorine
- B. Lithium**
- C. Helium
- D. Neon

123. The main constituent of biogas is _____.

- A. Methane**
- B. Hydrogen
- C. Oxygen
- D. Carbon dioxide

124. Which of the following is a nutritional deficiency disease?

- A. Albinism
- B. Cirrhosis
- C. Rabies
- D. Pellagra**

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125. The 'ELISA' test is employed to diagnose _____.

- A. Coronavirus
- B. AIDS antibodies**
- C. Tuberculosis bacterium
- D. Cancer

126. Any disease or infection that is naturally transmissible from vertebrate animals to humans is called _____.

- A. Zonoses
- B. Zoonoses**
- C. Ananoses
- D. Chordnoses

127. Vitamins were discovered by _____.

- A. Moesley
- B. Chadwick
- C. Frank Whittle
- D. Casimir Funk**

128. The BCG vaccine is used to produce immunity against _____.

- A. Whooping cough
- B. Tuberculosis**
- C. Virus fever
- D. Smallpox

129. Molasses is a byproduct of _____ factory.

- A. Fertilizer
- B. Cottonseed oil
- C. Sugar**
- D. Banaspati Ghee

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130. Crude oil is heated in the furnace up to ____.

- A. 300°C
- B. 350°C
- C. 400°C**
- D. 450°C

131. Permanent hardness of water may be removed by the addition of ____.

- A. Sodium Carbonate**
- B. Alum
- C. Potassium Permanganate
- D. Lime

132. Highly intelligent mammals are ____.

- A. Rat
- B. Dolphin**
- C. Bat
- D. Elephant

133. Severe deficiency of Vitamin D results in ____.

- A. Scurvy
- B. Rickets**
- C. Night blindness
- D. Osteomalacia

134. The gas used in a refrigerator to cool water is ____.

- A. Nitrogen
- B. Carbon dioxide
- C. Methane
- D. Ammonia**

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135. CNG stands for ____.

- A. Converted Natural Gas
- B. Conduced Natural Gas
- C. Conducted Natural Gas
- D. Compressed Natural Gas**

136. The nearest planet to the Earth is ____.

- A. Venus**
- B. Mercury
- C. Mars
- D. Moon

137. The Great Spot is on the planet ____.

- A. Saturn
- B. Venus
- C. Mars
- D. Jupiter**

138. Digestion of food is completed in the ____.

- A. Small intestine**
- B. Large intestine
- C. Stomach
- D. Liver

139. Good sources of Vitamin-C are ____.

- A. Green leafy vegetables
- B. Seeds
- C. Fresh vegetables and fruits**
- D. Seafood

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140. In general, wind speeds of 10–13 kph cause ____.

- A. Minor or no damage**
- B. Considerable damage
- C. Severe damage
- D. Extreme damage

141. Clocks that move with velocities comparable to the velocity of light run ____.

- A. Fast
- B. Slow**
- C. Equal to the velocity of light
- D. With zero velocity

142. The famous book Al-Qanun was written by the Muslim scientist ____.

- A. Jabar bin Hayyan
- B. Zakariya Al-Razi
- C. Abu Ali Sina (Avicenna)**
- D. Abdul Qasim Majreeti

143. Which triplet in DNA codes for valine?

- A. CTT
- B. AGU
- C. CAT
- D. None of these**

144. The chemical name of vinegar is ____.

- A. Sodium Nitrate
- B. Dilute acetic acid**
- C. Chloride of lime
- D. Calcium

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145. Which of the following layers makes radio transmission possible?

- A. Troposphere
- B. Ionosphere**
- C. Mesosphere
- D. Stratosphere

146. Which atmospheric layer helps in radio communication?

- A. Exosphere
- B. Ionosphere**
- C. Troposphere
- D. Stratosphere

147. An animal that captures and kills living animals for food is called _____.

- A. Parasite
- B. Scavenger
- C. Predator**
- D. Mammal

148. In a fission nuclear reaction, a heavy nucleus breaks into smaller nuclei, whereas in another nuclear reaction, two or more nuclei fuse to form a heavy nucleus. This nuclear reaction is called _____.

- A. Chemical Reaction
- B. Nuclear reaction
- C. Fission nuclear reaction
- D. Fusion nuclear reaction**

149. A nuclear reactor is a device used to carry out controlled nuclear reactions, whereas a GM counter is a device used to detect _____.

- A. Current
- B. Voltage
- C. Nuclear Radiation**
- D. Power

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150. Red blood corpuscles are formed in the _____.

- A. Liver
- B. Bone marrow**
- C. Kidneys
- D. Heart

151. Which is the largest organ in the human body?

- A. Liver
- B. Heart
- C. Skin**
- D. Kidney

152. Medulla oblongata is a part of the human _____.

- A. Heart
- B. Brain**
- C. Liver
- D. Sex organ

153. When a person enters a dark room from bright light, they cannot see clearly for a while because the:

- A. Eye is unable to adjust immediately
- B. Retina becomes insensitive momentarily
- C. Iris is unable to dilate the pupil immediately**
- D. Distance between the lens and retina takes time to adjust

154. The Greenhouse Effect is caused by an excess of _____.

- A. Carbon dioxide**
- B. Carbon monoxide
- C. Carbon tetrachloride
- D. None of the above

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155. Scalding with steam is more severe than scalding by boiling water because ____.

- A. Steam can penetrate the skin
- B. Steam is at a higher temperature
- C. Steam contains more energy than boiling water**
- D. Steam is at a higher pressure

156. An instrument to detect the purity of milk is ____.

- A. Lactometer**
- B. Hygrometer
- C. Manometer
- D. Sonometer

157. The atmosphere of the moon consists of ____.

- A. 90% Hydrogen, 10% Nitrogen
- B. 80% Nitrogen, 20% Hydrogen
- C. 60% Nitrogen, 40% inert gases
- D. None**

158. One of these scientists formulated basic laws of Geometry:

- A. Pythagoras**
- B. Archimedes
- C. Aristotle
- D. None

159. Vacuum tubes have been replaced by ____.

- A. Conductors
- B. Diodes
- C. Transistors**
- D. None of these

AL HABIB ACADEMY

160. The shape of the external ear is due to ____.

- A. Elastic cartilage**
- B. Fibrocartilage
- C. Articular cartilage
- D. None

161. When water is filled in a bottle and allowed to freeze, the bottle breaks because:

- A. Water expands on freezing**
- B. Bottle contracts at freezing point
- C. Temperature outside is less than inside
- D. None of the above

162. ____ are positively (+) charged particles.

- A. Neutrons
- B. Electrons
- C. Protons**
- D. None of these

163. The 2017 Nobel Prize in Physics was awarded for ____.

- A. Far Observation of Gravitational Waves
- B. Far Observation of Gravitational Weight
- C. First Observation of Gravitational Waves**
- D. Far Objectivity of Gravitational Waves

164. The speed of sound in air at sea level is approximately ____.

- A. 300 m/s
- B. 320 m/s
- C. 340 m/s**
- D. 370 m/s

AL HABIB ACADEMY

165. Deficiency of vitamin B1 causes ____.

- A. Rickets
- B. Bone Infection
- C. Beriberi**
- D. Myopia

166. What is the breathing rate of the human body?

- A. 15-11 minutes
- B. 16-20 minutes**
- C. 25-26 minutes
- D. 32-35 minutes

167. If the length of a heater coil is reduced by 10% of its original length, the power consumed by the heater will:

- A. Increase over 10%
- B. Decrease by 10%**
- C. Decrease by 0.5%
- D. Increase by 0.5%

168. The common refrigerant used in domestic refrigerators is ____.

- A. Neon
- B. Spirit
- C. Freon/Ammonia**
- D. Methane

169. PSR J0108-1431 is the closest known ____ to Earth.

- A. Black hole
- B. Red giant
- C. Quasar
- D. Pulsar**

AL HABIB ACADEMY

170. Oranges are a rich source of ____.

- A. Carbohydrates
- B. Fats
- C. Proteins
- D. Vitamins**

171. Some substances are good conductors of electricity in both solid and liquid states. These substances are generally ____.

- A. Ionic substances
- B. Metallic substances**
- C. Molecular solids
- D. Covalent network solids

172. Which of the following has the highest energy?

- A. Gamma rays**
- B. X-rays
- C. Ultraviolet radiation
- D. Radio waves

173. Approximately, how many times each day do our heart valves open and close normally?

- A. 10,000
- B. 100,000**
- C. 150,000
- D. 200,000

174. When warm air is lifted off the surface in temperature depression, it is called ____.

- A. An occlusion**
- B. A cold front
- C. An anticyclone
- D. A warm front

AL HABIB ACADEMY

175. The strength of wave action depends on all these EXCEPT:

- A. Currents in the sea**
- B. Wind strength
- C. Depth of coastal water
- D. Height of waves

176. Cow milk is a rich source of _____.

- A. Vitamin C
- B. Vitamin B
- C. Vitamin A**
- D. Vitamin K

177. An element that does not occur in nature but can be produced artificially is _____.

- A. Plutonium**
- B. Uranium
- C. Radium
- D. Thorium

178. Which one of the following can be synthesized by the liver?

- A. Vitamin B6
- B. Vitamin B12
- C. Vitamin K**
- D. Vitamin E

179. The average salinity (ratio of salt per kilogram of water) of the ocean is _____.

- A. 35 grams**
- B. 55 grams
- C. 32 grams
- D. 42 grams

AL HABIB ACADEMY

180. The Big Bang theory explains ____.

A. Origin of the Universe

B. Origin of the Sun

C. Laws of physics

D. None of the above

181. Bromine is a ____.

A. Black solid

B. Red-brown liquid

C. Colorless gas

D. Highly inflammable gas

182. How does smoking cigarettes impact red blood cells?

A. Decreases their ability to congeal

B. Decreases their ability to carry oxygen

C. Decreases their ability to reach their typical lifespan

D. Decreases their ability to cleanse wounds

183. The blueness of the sky is mainly due to ____.

A. The scattering of sunlight by air molecules

B. The presence of water vapor

C. Absorption of blue light by the air

D. Emission of blue light by the atmosphere

184. The Earth's atmosphere is divided into layers based on the vertical profile of ____.

A. Air pressure

B. Air temperature

C. Air density

D. Wind speed

AL HABIB ACADEMY

185. The outermost layer of skin is the ____.

- A. Endodermis
- B. Dermis
- C. Epidermis**
- D. Hypodermis

186. The phases of the moon are partially the result of the ____.

- A. Changes in the shape of the moon
- B. Revolution of the moon around the Earth**
- C. Variations in the moon's gravitation
- D. Variations in the speed of rotation of the moon

187. Who was the first to measure the Earth's radius?

- A. Galileo
- B. Copernicus
- C. Ptolemy
- D. Eratosthenes**

188. The central color of a rainbow is ____.

- A. Blue
- B. Green**
- C. Red
- D. Indigo

189. Who discovered gamma rays?

- A. Alfred Marshall
- B. Paul Villard**
- C. Bohr
- D. Jabar bin Hayyan

AL HABIB ACADEMY

190. The horizontal rows of the periodic table are called ____.

- A. Groups
- B. Periods**
- C. Sets
- D. Matrices

191. How long does the Earth take to cover 1° longitude?

- A. 2 minutes
- B. 3 minutes
- C. 4 minutes**
- D. 5 minutes

192. Japan is called the "Land of the Rising Sun" because:

- A. Sun rises there as soon as it sets
- B. Sun always remains in the eastern part of the sky
- C. Japan is the easternmost country, having the earliest sunrise**
- D. Rays reflect from waters, making sunrise beautiful

193. The approximate age of the Earth is ____.

- A. 4.14 billion years
- B. 4.64 billion years
- C. 4.54 billion years**
- D. 4.34 billion years

194. Which of the following is not a water-soluble vitamin?

- A. Tocopherol (Vitamin E)**
- B. Pyridoxine (B6)
- C. Pantothenic acid (B5)
- D. Niacin (B3)

AL HABIB ACADEMY

195. The distance between Earth and the Moon is _____.

- A. 350,000 km
- B. 360,100 km
- C. 372,000 km
- D. 384,400 km**

196. One Joule is equal to _____.

- A. 10^5 ergs
- B. 10^3 ergs
- C. 10^7 ergs**
- D. 10^{11} ergs

197. Dissolved oxygen (DO) in water should be _____.

- A. 400–800 ppm
- B. 4000–8000 ppm
- C. 0.4–0.5 ppm
- D. 4–5 ppm**

198. The study of fish is known as _____.

- A. Entomology
- B. Ichthyology**
- C. Ecology
- D. None

199. A dolphin perceives its environment by the sense of _____.

- A. Sight
- B. Sound
- C. Both**
- D. None

AL HABIB ACADEMY

200. The telephone was invented by ____.

- A. Vint Cerf
- B. Charles Babbage
- C. Edison
- D. Alexander Graham Bell**

201. If you have "caries," which doctor should you consult?

- A. Dermatologist
- B. Orthopedist
- C. Dentist**
- D. Neurologist

202. In eye donation, which part of the eye is used?

- A. Retina
- B. Iris
- C. Cornea**
- D. Optic nerve

203. How many moons does Neptune have?

- A. 63
- B. 12
- C. 19
- D. 13**

204. What is the rarest blood type in humans?

- A. O-
- B. O+
- C. AB+
- D. AB-**

AL HABIB ACADEMY

205. The lowest region of Earth's atmosphere, between the surface and stratosphere, is called:

- A. Ionosphere
- B. Troposphere**
- C. Stratosphere
- D. Mesosphere

206. Which is the hottest planet in our Solar System?

- A. Venus**
- B. Neptune
- C. Mars
- D. None of these

207. The heating element of an electric heater is made of:

- A. Tungsten
- B. Graphite
- C. Chromium
- D. Nichrome**

208. In the BTU system, one BTU is equal to:

- A. 2055 Joule
- B. 1155 Joule
- C. 2155 Joule
- D. 1055 Joule**

209. For water purification, we use:

- A. Chlorine**
- B. Bromine
- C. Plants
- D. Young man

AL HABIB ACADEMY

210. Which of the following regulates the metabolism of sugar?

- A. Thyroid
- B. Insulin**
- C. Glucose
- D. None of these

211. What is a mixture of Potassium Nitrate, Powdered Charcoal, and Sulphur called?

- A. Paint
- B. Glass
- C. Gun Powder**
- D. Cement

212. Who created the periodic table?

- A. Faraday
- B. Lavoisier
- C. Arrhenius
- D. Mendeleev**

213. The term "PVC" used in the plastic industry stands for:

- A. Phosphavinyll chloride
- B. Phosphor vanadium chloride
- C. Polyvinyl chloride**
- D. Polyvinyl carbobate

214. Drugs that block sensory nerves and prevent pain are called:

- A. Analgesics
- B. Antibiotics
- C. Antihistamines
- D. Anaesthetics**

AL HABIB ACADEMY

215. Who invented logarithm tables?

- A. John Napier**
- B. John Doe
- C. John Harrison
- D. John Douglas

216. In which part of the plant does photosynthesis take place?

- A. Flowers
- B. Roots
- C. Stem
- D. Leaves**

217. Which of the following is responsible for the largest amount of oxygen on Earth?

- A. Peat bogs
- B. Algae**
- C. Trees
- D. None of these

218. The luster of a diamond is due to:

- A. Reflection
- B. Total internal reflection**
- C. Refraction
- D. None of these

219. The type of glass used in making lenses and prisms is:

- A. Pyrex glass
- B. Jena glass
- C. Flint glass**
- D. Soft glass

AL HABIB ACADEMY

220. EEG records the activity of:

- A. Heart
- B. Lungs
- C. Brain**
- D. Muscles

221. Earthquakes occur most frequently at:

- A. Plate boundaries**
- B. Plate surface
- C. Ocean beds
- D. All of the above

222. What is anthracite?

- A. Carbon
- B. Hard coal**
- C. Ammonia
- D. None of these

223. Which two elements are liquid at room temperature?

- A. Mercury and Bromine**
- B. Carbon and Helium
- C. Nitrogen and Hydrogen
- D. Oxygen and Neon

224. What is the body's natural or acquired ability to resist certain diseases?

- A. Immunity**
- B. Endocrine
- C. Exocrine
- D. All of the above

AL HABIB ACADEMY

225. **Dead red blood corpuscles are stored in:**

- A. Liver
- B. Spleen**
- C. Kidney
- D. Heart

226. **Granite is a:**

- A. Metamorphic rock
- B. Igneous rock**
- C. Sedimentary rock
- D. None of these

227. **Where is the uvula located in the human body?**

- A. Throat**
- B. Stomach
- C. Scrotum
- D. None

228. **Which animal has no vocal cords?**

- A. Lion
- B. Zebra
- C. Dolphin
- D. Giraffe**

229. **Being myopic means you have difficulty seeing:**

- A. Distant objects clearly**
- B. Close objects clearly
- C. Both A and B
- D. Distant and close objects look unclear

AL HABIB ACADEMY

230. The hormone that increases heart rate and blood pressure after shock is:

- A. Adrenalin
- B. Gastrin
- C. Thyroxin
- D. Pancreatic

231. Biopsy is done on tissues taken from:

- A. Human body
- B. Animal body
- C. Living body
- D. Dead body

232. The planet that revolves the slowest around the Sun is:

- A. Mercury
- B. Mars
- C. Earth
- D. Neptune

233. Animals use nitrogen in the form of:

- A. Nitrogen
- B. Nitrates
- C. Nitrites
- D. None of the above

234. Who is known as the father of taxonomy?

- A. Aristotle
- B. Fransco Redi
- C. Carolus Linnaeus
- D. Rachel Carson

AL HABIB ACADEMY

235. **Who discovered blood circulation?**

- A. Carl Linnaeus
- B. Francis Crick
- C. Robert Brown
- D. William Harvey**

236. **What is the name of the gas used in air conditioners?**

- A. Ammonia
- B. Nitrous oxide
- C. Freon**
- D. CO₂

237. **Which law states that the rate of gas effusion is inversely proportional to the square root of its density?**

- A. Graham's Law**
- B. Gay-Lussac's law
- C. Boyle's law
- D. None of these

238. _____ **soil is also called Regur soil?**

- A. Desert
- B. Mountain
- C. Black**
- D. Alluvial

239. **The heaviest man-made element found so far is:**

- A. Promethium
- B. Ununoctium**
- C. Francium
- D. Technetium

AL HABIB ACADEMY

240. Which metal is the purest conductor of electricity?

- A. Copper
- B. Gold
- C. Silver**
- D. Lead

241. Which instrument measures the power of an electric circuit?

- A. Wavemeter
- B. Viscometer
- C. Wattmeter**
- D. None of these

242. Sound travels in air at an average speed of nearly:

- A. 1257 miles/hour
- B. 755 miles/hour**
- C. 330 miles/hour
- D. None of these

243. Which of the following is not a chemical reaction?

- A. Burning of coal
- B. Conversion of water into steam**
- C. Digestion of food
- D. Burning of paper

244. Which animal has the longest gestation period (640–660 days)?

- A. Blue Whale
- B. Elephant**
- C. Opossum
- D. None of these

AL HABIB ACADEMY

245. What is the scientific name of flying fish?

- A. Exocoetidae**
- B. Anoplopoma fimbria
- C. Orthopsetta sordida
- D. Xiphias gladius

246. Disease transferred from animals to humans is called:

- A. Sporadic
- B. Epidemic
- C. Endemic
- D. Zoonosis**

247. The hydrogen bomb is based on the principle of:

- A. Nuclear fusion**
- B. Artificial radioactivity
- C. Natural radioactivity
- D. Nuclear fission

248. What is the molecular formula for Ammonia?

- A. NH
- B. NH₂
- C. NH₃**
- D. NH₄

249. Mostly which gases are found on the planet Jupiter?

- A. Hydrogen
- B. Chlorine
- C. Hydrogen and Helium**
- D. Neon

AL HABIB ACADEMY

250. Chemical formula for Water is:

- A. NaAlO_2
- B. H_2O**
- C. Al_2O_3
- D. CaSiO_3

251. The light of distant stars is affected by:

- A. Earth's atmosphere
- B. Interstellar dust
- C. Both A and B**
- D. None of these

252. In humans, which body part develops first?

- A. Heart**
- B. Brain
- C. Lungs
- D. Kidneys

253. "Atom" was a name given by:

- A. Democritus**
- B. Bohr
- C. Rutherford
- D. Archimedes

254. Day and night are the results of:

- A. Earth's rotation around its axis**
- B. Earth's revolution
- C. Earth's rotation accompanied by revolution
- D. None of these

AL HABIB ACADEMY

255. Lockjaw (difficulty opening the mouth) is a symptom of:

- A. Cholera
- B. Plague
- C. Diphtheria
- D. Tetanus**

256. Deficiency diseases are caused by a lack of:

- A. Proteins
- B. Vitamins**
- C. Carbohydrates
- D. Fats

257. Who pioneered antiseptic surgery in 1865?

- A. Edward Jenner
- B. Joseph Lister**
- C. Henry William
- D. John Sleeman

258. The Mach number is used in connection with the speed of:

- A. Ship
- B. Light
- C. Sound
- D. Aircraft**

259. Blood is cleaned by:

- A. Lungs
- B. Liver
- C. Heart
- D. Kidneys**

AL HABIB ACADEMY

260. The tree that sends down roots from its branches to the soil is:

- A. Oak
- B. Pine
- C. Banyan**
- D. Palm

261. Carbon dioxide was discovered by:

- A. Niels Bohr
- B. Amedeo Avogadro
- C. Joseph Black**
- D. None of the above

262. Inflammation of the liver is caused by:

- A. Cholera
- B. Hepatitis**
- C. Typhoid
- D. Jaundice

263. The human eye is equivalent to how many megapixels?

- A. 1080 MP
- B. 720 MP
- C. 576 MP**
- D. 570 MP

264. When sugar is added to water, its boiling point:

- A. Increases**
- B. Decreases
- C. Remains unchanged
- D. None of the above

AL HABIB ACADEMY

265. The SI unit of charge is:

- A. Ampere
- B. Coulomb**
- C. Ohm
- D. Volt

266. The average adult has a blood volume of about:

- A. 4 liters
- B. 5 liters**
- C. 6 liters
- D. 7 liters

267. Which statement is true for "Sound"?

- A. Sound cannot travel through a vacuum**
- B. Sound cannot travel through gases
- C. Sound cannot travel through liquids
- D. Sound cannot travel through solids

268. The planet that moves around the Sun at the highest speed is:

- A. Jupiter
- B. Venus
- C. Mars
- D. Mercury**

269. 1 light year = ?

- A. 9.5×10^6 km
- B. 9.5×10^9 km
- C. 9.5×10^{12} km**
- D. 9.5×10^{18} km

AL HABIB ACADEMY

270. Carrot is a good source of:

- A. Vitamin A**
- B. Vitamin B
- C. Vitamin C
- D. Vitamin D

271. Good sources of iodine are:

- A. Green leafy vegetables
- B. Seeds
- C. Fresh vegetables and fruits
- D. Seafood**

272. Acid rain is mainly caused by emissions of _____ in the atmosphere:

- A. Sulfur Dioxide and Potassium Nitrate
- B. Sulfur and Charcoal
- C. Nitrogen Oxide and Potassium Nitrate
- D. Sulfur Dioxide and Nitrogen Oxide**

273. Max Planck received the Nobel Prize in Physics in 1918 for his discovery of:

- A. Electron
- B. Energy quanta**
- C. Photon
- D. Positron

274. Basic metals can be converted into gold by:

- A. Heating
- B. Beating
- C. Artificial nuclear radioactivity**
- D. Chemical reaction

AL HABIB ACADEMY

275. What is the chance of a diabetic baby being born to parents both heterozygous normal?

- A. Zero
- B. $\frac{1}{4}$**
- C. $\frac{1}{2}$
- D. $\frac{3}{4}$

276. Deficiency of which vitamin decreases hemoglobin production?

- A. Biotin
- B. Thiamine
- C. Niacin
- D. Pyridoxine (B6)**

277. Why is there no total eclipse of the Sun?

- A. Size of Earth relative to the Moon
- B. Orbit of the Moon around Earth
- C. Direction of Earth's rotation around the Sun
- D. Area of the Sun covered by the Moon**

278. A moderator is used in a nuclear reactor to:

- A. Accelerate neutrons
- B. Slow down neutrons**
- C. Increase electrons
- D. Decrease electrons

279. Why is there a gap between railway tracks?

- A. To save steel
- B. To avoid contraction in winter
- C. For bearing the train's weight
- D. To avoid expansion in summer**

AL HABIB ACADEMY

280. Parsec is a unit of:

- A. Energy
- B. Time
- C. Power
- D. Distance**

281. A body can escape Earth's gravitational pull if thrown up at:

- A. 25 miles/sec
- B. 60 miles/sec
- C. 7 miles/sec**
- D. 10 miles/sec

282. How many bones are in an adult human?

- A. 210
- B. 260
- C. 206**
- D. 300

283. A person with which blood group is a universal donor?

- A. O**
- B. AB
- C. A
- D. B

284. Myopia is a disease related to:

- A. Ears
- B. Eyes**
- C. Lungs
- D. Brain

AL HABIB ACADEMY

285. What is the average adult pulse rate?

- A. 140-150
- B. 115-125
- C. 72-80**
- D. 60

286. Bats can fly in the dark using:

- A. Ultraviolet waves
- B. Ultrasonic waves**
- C. Electromagnetic waves
- D. Special retina

287. Coating iron pipes with zinc to prevent corrosion is called:

- A. Electroplating
- B. Annealing
- C. Galvanization**
- D. Vulcanization

288. Coulomb is the scientific unit to measure:

- A. Velocity
- B. Temperature
- C. Mass
- D. Electric charge**

289. The chemical name of quartz is:

- A. Silicon Dioxide**
- B. Stannous Oxide
- C. Aluminium Oxide
- D. None

AL HABIB ACADEMY

290. **Phosphorus is essential for:**

- A. Amino acids
- B. Nucleic acids**
- C. Carbohydrates
- D. None

291. **It is a secondary plant nutrient:**

- A. Nitrogen
- B. Phosphorus
- C. Sulphur**
- D. None

292. **When a patient's immune system reacts to a drug, it is called:**

- A. Superinfection
- B. Drug resistance
- C. Allergy**
- D. None

293. **People living at high altitudes usually have:**

- A. Fewer RBCs
- B. More RBCs**
- C. Fewer WBCs
- D. More WBCs

294. **Negatively charged particles of an atom are:**

- A. Protons
- B. Neutrons
- C. Electrons**
- D. None

AL HABIB ACADEMY

295. **The diesel engine was invented by:**

- A. Paul Muller
- B. Faraday
- C. Waldeyer
- D. Rudolf Diesel**

296. **Who invented the safety pin?**

- A. Charles Goodyear
- B. Steward Harshone
- C. Walter Hunt**
- D. A. Rose

297. **The innermost part of Earth is:**

- A. Crust
- B. Mantle
- C. Core**
- D. None

298. **How many teeth are in the human mouth?**

- A. 30
- B. 33
- C. 32**
- D. 31

299. **Sunlight is composed of:**

- A. Three colors
- B. Six colors
- C. Seven colors**
- D. Eight colors

AL HABIB ACADEMY

300. A glass chimney stops an oil lamp from smoking because:

- A. It increases oxygen supply
- B. Heat ensures complete combustion
- C. Both of these**
- D. Neither

301. Particle clouds where stars are formed are known as:

- A. Stellar nurseries**
- B. Star clouds
- C. Event horizons
- D. Singularities

302. The SI standard of time is based on:

- A. The daily rotation of the Earth
- B. The frequency of light emitted by Kr86
- C. The yearly revolution of the Earth around the Sun
- D. None of these**

303. All of the following substances are crystalline except:

- A. Ice
- B. Diamond
- C. Sucrose
- D. Plastic**

304. Which of the following has the largest wavelength?

- A. Visible light
- B. X-rays
- C. Infrared light**
- D. Ultraviolet radiation

AL HABIB ACADEMY

305. **Quantity of fresh air required for a man is 1000 cubic feet for every:**

- A. 5 minutes
- B. 10 minutes
- C. 15 minutes
- D. 20 minutes**

306. **Water vapor turns into clouds in the atmosphere when:**

- A. It rains
- B. The temperature rises
- C. Dew point is reached**
- D. Evaporation takes place

307. **The areas around the North and South poles within the Polar circles are called:**

- A. The Torrid Zone
- B. The Frigid Zone**
- C. The Temperature Zone
- D. The Hardiness Zone

308. **Which vitamin is synthesized in the body by intestinal bacteria?**

- A. Vitamin B1
- B. Vitamin B12
- C. Vitamin E
- D. Vitamin K**

309. **Muscle fatigue is caused by the accumulation of:**

- A. Uric acid
- B. Lactic acid**
- C. Oxaloacetic acid
- D. Pyruvic acid

AL HABIB ACADEMY

310. What is the basic purpose of dams?

- A. Storage of water
- B. Electricity generation
- C. Flood control
- D. All of the above**

311. The protein content in wheat is approximately:

- A. 6%
- B. 9%
- C. 12%**
- D. 15%

312. Approximately how many galaxies are there?

- A. 10 Billion
- B. 100 Billion**
- C. 1000 Billion
- D. 10000 Billion

313. The variety of coal with recognizable plant material traces is:

- A. Bitumen
- B. Anthracite
- C. Lignite
- D. Peat**

314. The addictive drug in tobacco is:

- A. Ethanol
- B. Nicotine**
- C. Ammonia
- D. Tar

AL HABIB ACADEMY

315. Fatal lung disease caused by asbestos is called:

- A. Asbestosis**
- B. Asthma
- C. Allergy
- D. Sinusitis

316. Melanoma (skin cancer) is associated with:

- A. Ozone accumulation
- B. Ozone depletion**
- C. Acid rain
- D. Allergens

317. The largest white blood cells are:

- A. Lymphocytes
- B. Eosinophils
- C. Basophils
- D. Monocytes**

318. "Black holes" refer to:

- A. Holes in heavenly bodies
- B. Bright spots on the Sun
- C. Collapsing objects of high density**
- D. Collapsing objects of low density

319. The nearest star to our Sun is:

- A. Proxima Centauri**
- B. Alpha Scorpii
- C. Beta Orionis
- D. Vega

AL HABIB ACADEMY

320. **Who invented the bulb?**

- A. Philips
- B. Robert
- C. Edison**
- D. William

321. **Which female mosquito causes Dengue fever?**

- A. Aedes Aegypti**
- B. Anopheles
- C. Barinohils
- D. N.O.A

322. **The Sun moves around the galaxy center at:**

- A. 205 km/s
- B. 210 km/s
- C. 215 km/s
- D. 220 km/s**

323. **Rusting of iron involves:**

- A. Reduction
- B. Oxidation**
- C. Decomposition
- D. Displacement

324. **Water vapor beyond the dew point results in:**

- A. Precipitation
- B. Hailstorm
- C. Condensation**
- D. Formation of ice

AL HABIB ACADEMY

325. **Approximate age of the Milky Way is:**

- A. 16.5 billion years
- B. 15.5 billion years
- C. 13.5 billion years**
- D. 14.5 billion years

326. **Which is not a fat-soluble vitamin?**

- A. Vitamin B5
- B. Vitamin B6**
- C. Vitamin B3
- D. Vitamin B2

327. **How long does the Moon take to orbit Earth once?**

- A. 26.3 days
- B. 27.3 days**
- C. 28.3 days
- D. 30.3 days

328. **A newly discovered human organ possibly the largest is:**

- A. Brass
- B. Pectora
- C. Interstitium**
- D. Otic

329. **The Montreal Protocol (1987) was:**

- A. Treaty to reduce nuclear arsenals
- B. Climate control treaty
- C. Treaty to protect the ozone layer**
- D. Trade policy about tariffs

AL HABIB ACADEMY

330. **White blood cells are also called:**

- A. Thrombocytes
- B. Leucocytes**
- C. Erythrocytes
- D. None

331. **Which disease is spread by fleas?**

- A. Smallpox
- B. Tetanus
- C. Typhus**
- D. Yellow fever

332. **Average human brain weight:**

- A. 1.2 to 1.4 kg**
- B. 1.4 to 1.8 kg
- C. 2.1 to 2.8 kg
- D. 3.1 to 3.4 kg

333. **Average human heart weight:**

- A. 300 grams**
- B. 350 grams
- C. 400 grams
- D. 450 grams

334. **Father of Botany:**

- A. Aristotle
- B. Gregor Mendel
- C. Theophrastus**
- D. Carolus Linnaeus

AL HABIB ACADEMY

335. **Oncology is the study of:**

- A. Onions
- B. Origins
- C. Cancer**
- D. Diseases

336. **The inkblot psychological test is called:**

- A. Rorschach**
- B. Nervous
- C. Renal
- D. All of the above

337. **The outermost Earth layer is:**

- A. Crust**
- B. Mantle
- C. Core
- D. None

338. **Symbol of Gold:**

- A. Ag
- B. Au**
- C. S
- D. None

339. **In an oil lamp, oil rises due to:**

- A. Capillary action**
- B. Atmospheric pressure
- C. Viscosity
- D. Temperature change

AL HABIB ACADEMY

340. Gas bills are charged in:

- A. SI
- B. CGS
- C. BTU**
- D. CNG

341. Human blood is divided into:

- A. Two groups
- B. Three groups
- C. Four groups**
- D. Five groups

342. The planet with the Great Red Spot:

- A. Neptune
- B. Mars
- C. Jupiter**
- D. Mercury

343. The heaviest metal:

- A. Iron
- B. Mercury
- C. Nickel
- D. Osmium**

344. Bauxite is an ore of:

- A. Copper
- B. Zinc
- C. Aluminium**
- D. Iron

AL HABIB ACADEMY

345. **Human bone does not contain:**

- A. Calcium
- B. Chondroitin sulfate
- C. Boron**
- D. Phosphate

346. **The gallbladder is located inside:**

- A. Pancreas
- B. Liver**
- C. Kidney
- D. Small intestine

347. **Pairs of walking legs in a cockroach:**

- A. One
- B. Two
- C. Three**
- D. Four

348. **Rickets affects:**

- A. Bones**
- B. Tissues
- C. Muscles
- D. Blood

349. **P-waves are associated with:**

- A. Earthquakes**
- B. Oceans
- C. Wind
- D. Rivers

AL HABIB ACADEMY

350. True statement about sound:

- A. Sound can't travel through a vacuum**
- B. Sound can't travel through glass
- C. Sound can't travel through water
- D. None

351. Enrico Fermi invented:

- A. X-ray machine
- B. Betatron
- C. Cyclotron
- D. Nuclear reactor**

352. Animals living in tree trunks are:

- A. Arboreal**
- B. Volant
- C. Amphibious
- D. Aquatic

353. Sericulture is the study of:

- A. Silk production**
- B. Milk production
- C. Honey production
- D. Forest timber

354. The image in a compound microscope is:

- A. Erect
- B. Inverted**
- C. Sometimes erect
- D. None

AL HABIB ACADEMY

355. **Inventor of the first battery:**

- A. Alessandro Volta**
- B. Tim Berner
- C. Rob Stothard
- D. Georges Leclanché

356. **Energy type in a spring:**

- A. Elastic Potential Energy**
- B. Kinetic Energy
- C. Potential Energy
- D. None

357. **Inventor of Aspirin (1897):**

- A. Barnard
- B. Newton
- C. Felix Hoffmann**
- D. McLeod

358. **Fertilization in humans occurs in the:**

- A. Uterus
- B. Ovaries
- C. Oviduct**
- D. Cervix

359. **Bone not attached to other bones:**

- A. Ulna
- B. Hyoid**
- C. Tibia
- D. Cranium

AL HABIB ACADEMY

360. Average acceleration due to gravity per second:

- A. 22 feet
- B. 32 feet**
- C. 52 feet
- D. 42 feet

361. Hypermetropia means seeing:

- A. Distant objects opaque
- B. Distant objects clearly**
- C. Close objects unclear
- D. Close objects clearly

362. Layer reflecting radio waves to Earth:

- A. Troposphere
- B. Stratosphere
- C. Ozone layer
- D. Ionosphere**

363. Trypsin (protein-digesting enzyme) is produced by:

- A. Liver
- B. Pancreas**
- C. Stomach
- D. Small intestine

364. Saturn's rings were discovered by:

- A. Newton
- B. Robert Brown
- C. Galileo**
- D. None

AL HABIB ACADEMY

365. Purest form of water:

- A. Rainwater**
- B. Heavy water
- C. Tap water
- D. None

366. Number of latitude lines:

- A. 90
- B. 180**
- C. 270
- D. 360

367. Who proposed light is made of particles?

- A. Maxwell
- B. Einstein
- C. Newton**
- D. Huygens

368. Internal friction of fluid:

- A. Viscosity**
- B. Surface tension
- C. Resistance
- D. Cohesive force

369. Turning effect of force:

- A. Moment
- B. Momentum
- C. Torque**
- D. None

AL HABIB ACADEMY

370. Splitting water molecules using light:

- A. Electrolysis
- B. Photolysis**
- C. Radiolysis
- D. Thermolysis

371. Instrument for viewing the Sun:

- A. Stroboscope
- B. Heliograph**
- C. Solograph
- D. None

372. Example of rhizome:

- A. Carrot
- B. Tomato
- C. Ginger**
- D. Garlic

373. Oldest invention:

- A. Clock**
- B. Microscope
- C. Barometer
- D. Cycle

374. Hepatitis C causes:

- A. HIV
- B. Diabetes
- C. Chronic liver disease**
- D. AIDS

AL HABIB ACADEMY

375. Used in beauty parlors for hair setting:

- A. Silicon
- B. Chlorine
- C. Sulphur**
- D. Phosphorus

376. Doctor specializing in nose diseases:

- A. Rhinologist**
- B. Otolologist
- C. Pathologist
- D. Podiatrist

377. Vitamin that cannot be stored in the body:

- A. Vitamin C**
- B. Vitamin D
- C. Vitamin K
- D. None

378. Medical term for fever:

- A. Hypothermia
- B. Pyrexia**
- C. Hypertension
- D. Thermophilia

379. Brass discolours in air due to:

- A. Carbon dioxide
- B. Oxygen
- C. Nitrogen
- D. Hydrogen sulfide**

AL HABIB ACADEMY

380. Molecular weight of Ammonia (NH₃):

- A. 17.031 g/mol
- B. 18.031 g/mol
- C. 19.031 g/mol
- D. 27.033 g/mol

381. Father of Genetics:

- A. Gregor Mendel
- B. Alexander
- C. Darwin
- D. Louis Pasteur

382. Gas replacing nitrogen for deep-sea divers:

- A. Argon
- B. Xenon
- C. Helium
- D. Krypton

383. Main component of plasma:

- A. Carbon dioxide
- B. Oxygen
- C. Water
- D. Glucose

384. Chambers in the human heart:

- A. 2
- B. 3
- C. 4
- D. 5

AL HABIB ACADEMY

385. **Example of monoatomic gas:**

- A. Nitrogen
- B. Hydrogen
- C. Neon and Argon**
- D. Oxygen and Nitrogen

386. **Eclipse cycle repeating every 18 years 11 days:**

- A. Partial Eclipse
- B. Total Eclipse
- C. Saros Cycle**
- D. None

387. **Disease-transmitting insects:**

- A. Drones
- B. Vectors**
- C. Hybrids
- D. None

388. **Non-contagious disease:**

- A. Hysteria**
- B. Measles
- C. Typhoid
- D. Influenza

389. **Polio vaccine inventor:**

- A. Jonas Salk**
- B. Jaber Ibn Hayan
- C. Selman Waksman
- D. None

AL HABIB ACADEMY

390. If atmospheric pollution increases:

- A. Day length increases
- B. Day length decreases
- C. No change
- D. None

391. Aorta is connected to:

- A. Left ventricle
- B. Right ventricle
- C. Right auricle
- D. Left auricle

392. Used as a lubricant:

- A. Graphite
- B. Silica
- C. Diamond
- D. Iron oxide

393. Symbol of Iron:

- A. Na
- B. Fr
- C. Fe
- D. Zn

394. Speed of sound in air (km/h):

- A. 1347
- B. 243
- C. 1235
- D. 1495

AL HABIB ACADEMY

395. Vitamin C is essential for:

- A. Appetite
- B. Growth & tissue repair**
- C. Muscles
- D. Brain

396. Long-sight is corrected with:

- A. Concave
- B. Convex**
- C. Diverging
- D. None

397. Most abundant element in the universe:

- A. Oxygen
- B. Hydrogen**
- C. Carbon dioxide
- D. Silicon

398. Prism splits white light into colors:

- A. 5
- B. 6
- C. 7**
- D. 8

399. Comet orbits are:

- A. Elliptical
- B. Highly elliptical**
- C. Circular
- D. Parabolic

AL HABIB ACADEMY

400. Earth's "bodyguard" against comets/asteroids:

- A. Mars
- B. Saturn
- C. Uranus
- D. Jupiter**

401. For proper formation of teeth, _____ is essential.

- A. Iodine
- B. Copper
- C. Fluorine**
- D. Iron

402. The gas commonly known as "laughing gas" is:

- A. Carbon Dioxide
- B. Sulfur Dioxide
- C. Nitrous Oxide**
- D. Sodium Oxide

403. About 50% of Earth's crust (including waters/atmosphere) is:

- A. Oxygen**
- B. Carbon Dioxide
- C. Silicon
- D. Clay

404. Bronze is made of:

- A. Copper + Nickel
- B. Copper + Tin**
- C. Copper + Silver
- D. Copper + Zinc

AL HABIB ACADEMY

405. A light-year is a unit of:

- A. Time
- B. Energy
- C. Length**
- D. Mass

406. Which is not part of Darwinism?

- A. Overproduction
- B. Natural Selection
- C. Inheritance of acquired characters**
- D. Competition for survival

407. Hygrometer measures:

- A. Speed of sound
- B. Density of milk
- C. Humidity of air**
- D. Specific gravity of liquids

408. Television signals are converted into light signals by:

- A. Optical fiber
- B. Transistor
- C. Decoder
- D. Photodiode**

409. Sedimentary rocks are:

- A. Porous**
- B. Hard
- C. Rough
- D. Brittle

AL HABIB ACADEMY

410. Ibn Sina's famous medical book:

- A. **Al-Qanun**
- B. Al-Masudi
- C. New Renaissance
- D. Tadhkira

411. German Silver is an alloy of:

- A. Zn + Ni
- B. Cu + Zn
- C. **Cu + Ni**
- D. Cu + Sn

412. Night vision uses:

- A. Red light
- B. Violet light
- C. **Infrared Rays**
- D. Ultraviolet Light

413. Tibia is found in the:

- A. Skull
- B. Arm
- C. **Leg**
- D. Face

414. The "master gland" in the human body is the:

- A. Pancreas
- B. Thyroid
- C. **Pituitary**
- D. Spleen

AL HABIB ACADEMY

415. Leukemia is a disease of the:

- A. Lungs
- B. Blood**
- C. Skin
- D. Nerves

416. Peacock feather colors are due to:

- A. Selective absorption of light**
- B. Selective reflection of light
- C. Interference of light
- D. Natural color patterns

417. Stealth Technology refers to:

- A. Making aircraft invisible on radar
- B. Coating reducing radar visibility**
- C. Aircraft spying in enemy airspace
- D. Dropping paratroopers stealthily

418. Cracking sound when combing dry hair is due to:

- A. Hair against charged comb
- B. Small electric sparks**
- C. Rubbing of comb
- D. None

419. "All motion is relative" was proposed by:

- A. Albert Einstein**
- B. John Kepler
- C. Galileo Galilei
- D. None

AL HABIB ACADEMY

420. Which month can lack a new moon?

- A. December
- B. February**
- C. May
- D. None

421. First scientist to prove planets orbit the Sun:

- A. Archimedes
- B. Galileo Galilei**
- C. John Kepler
- D. None

422. Study of disease occurrence in populations:

- A. Immunology
- B. Parasitology
- C. Epidemiology**
- D. None

423. Smallest unit of heredity:

- A. Chromosomes
- B. Gene**
- C. Nucleotides
- D. None

424. Copper is used in:

- A. Brick kilns
- B. Children's toys
- C. Kitchen utilities
- D. Electric wires**

AL HABIB ACADEMY

425. _____ have no charge:

- A. Neutrons**
- B. Protons
- C. Electrons
- D. None

426. **Electron discovered by:**

- A. Michael Faraday
- B. James Maxwell
- C. Yuri Gagarin
- D. J.J. Thomson**

427. **Entomology is the study of:**

- A. Worms
- B. Insects**
- C. Animals
- D. All

428. **Ozone layer height from Earth's surface:**

- A. 10–20 km
- B. 20–30 km**
- C. 30–40 km
- D. 40–50 km

429. **Correct sequence of atmospheric layers (Earth → Space):**

- A. Ionosphere → Mesosphere → Stratosphere → Troposphere
- B. Mesosphere → Stratosphere → Ionosphere → Troposphere
- C. Troposphere → Stratosphere → Mesosphere → Ionosphere**
- D. Troposphere → Ionosphere → Stratosphere → Mesosphere

AL HABIB ACADEMY

430. Least conductor of electricity:

- A. Wood**
- B. Copper
- C. Iron
- D. Water

431. Most drugs are excreted via:

- A. Kidneys**
- B. Skin
- C. Gallbladder
- D. Lungs

432. Condensing dust phase in stellar evolution:

- A. Alpha Stage
- B. Stellar Genesis
- C. Protostar**
- D. Star of Adam

433. Photosynthesis rate during a total solar eclipse:

- A. Increases
- B. Decreases**
- C. Remains constant
- D. None

434. Honey's high viscosity is due to:

- A. Hydrogen bonding
- B. Irregular molecule shape
- C. Irregular shape + strong intermolecular forces**
- D. Larger molecular size

AL HABIB ACADEMY

435. Correct EM radiation order (lowest → highest energy):

- A. Radio → Visible → Infrared → Ultraviolet → X-ray → Gamma
- B. Radio → Infrared → Visible → X-ray → Gamma → Ultraviolet
- C. Visible → Radio → Infrared → Ultraviolet → X-ray → Gamma
- D. Radio → Infrared → Visible → Ultraviolet → X-ray → Gamma**

436. Weathering above glacier surfaces:

- A. Plucking
- B. Abrasion
- C. Chemical weathering
- D. Frost shattering**

437. Weather describes conditions of:

- A. The Earth
- B. Land surface
- C. The atmosphere**
- D. Ionosphere

438. Aluminum's percentage in Earth's composition:

- A. 27.5%
- B. 20.3%
- C. 14.5%
- D. 8.23%**

439. Mercury is also called:

- A. Shine Silver
- B. Quick Silver**
- C. Slow Silver
- D. Slippery Silver

AL HABIB ACADEMY

440. Total energy of a revolving electron in an atom:

- A. Always positive
- B. Can never be positive**
- C. Any value above zero
- D. Cannot be negative

441. Point directly above an earthquake's source:

- A. Earthquake Center
- B. Epicenter**
- C. Gravitational Center
- D. Geological Center

442. Alzheimer's involves degeneration of:

- A. Kidney cells
- B. Nerve cells**
- C. Liver cells
- D. Spleen cells

443. Study of the Universe:

- A. Sociology
- B. Cosmology**
- C. Universology
- D. Petology

444. Property to absorb moisture from air:

- A. Osmosis
- B. Deliquescence**
- C. Efflorescence
- D. Desiccation

AL HABIB ACADEMY

445. **Chemical** not in tobacco smoke:

- A. Chlorine bleach
- B. Rocket fuel
- C. Nail polish remover**
- D. Barbecue lighter fluid

446. **Lowest cloud base in middle latitudes:**

- A. Cirrostratus
- B. Stratocumulus**
- C. Altocumulus
- D. Cirrus

447. **Number of bone types in humans:**

- A. 3
- B. 4**
- C. 5
- D. 6

448. **Instrument measuring temperature/pressure/humidity at altitudes:**

- A. Barograph
- B. Radiosonde**
- C. Aneroid barometer
- D. Altimeter

449. **Zodiac constellations are:**

- A. Imaginary regions encompassing planetary paths**
- B. Signs of Roman gods
- C. A group of stars
- D. None

AL HABIB ACADEMY

450. Lunar eclipse occurs when:

- A. Moon is between Earth and Sun
- B. Earth is between Sun and Moon**
- C. Sun is between Earth and Moon
- D. Earth is at right angles to Sun-Moon

451. Glucose syrup is made from:

- A. Oat
- B. Wheat
- C. Maize**
- D. Rice

452. Hepatitis affects the:

- A. Heart
- B. Liver**
- C. Lungs
- D. Brain

453. Sun's mass percentage in the solar system:

- A. 75.24%
- B. 79.36%
- C. 89.10%
- D. 99.86%**

454. Glass is made from:

- A. Quartz + Mica
- B. Sand + Salt
- C. Sand + Silicates**
- D. None

AL HABIB ACADEMY

455. Blood volume in humans is _____ % of body weight:

- A. 6%
- B. 7%**
- C. 8%
- D. 9%

456. Nearest galaxy to Milky Way:

- A. Messier 81
- B. Andromeda**
- C. Triangulum
- D. Whirlpool

457. Iodine deficiency causes:

- A. Anemia
- B. Scurvy
- C. Goiter**
- D. Rickets

458. Density of air:

- A. 0.225 kg/m^3
- B. 1.025 kg/m^3
- C. 1.225 kg/m^3**
- D. 1.425 kg/m^3

459. Which does not pollute air?

- A. Nitrogen Dioxide**
- B. Sulfur dioxide
- C. Carbon dioxide
- D. None

AL HABIB ACADEMY

460. **Meters in one mile:**

- A. 1409.34
- B. 1509.34
- C. 1609.34**

461. **Frozen dew is called:**

- A. Frost
- B. Black ice**
- C. Frozen ice
- D. Black hail

462. **World's rarest mineral:**

- A. Painite**
- B. Benitoite
- C. Jadeite
- D. Taaffeite

463. **Fish excretory product:**

- A. Nitrogen
- B. Ammonia**
- C. Urea
- D. Carbon dioxide

464. **CT Scan stands for:**

- A. Computed Tomography Scan**
- B. Computer Topography Scan
- C. Computed Topography Scan
- D. Computer Tomography Scan

465. **Brain part regulating body temperature:**

- A. Cerebellum
- B. Cerebrum

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C. Hypothalamus

D. Medulla

466. **Summer solstice means:**

A. Longest day

B. Longest night

C. Shortest day

D. None

467. **Largest part of the human brain:**

A. Cerebellum

B. Cerebrum

C. Brainstem

D. Pituitary

468. **Study of oceans:**

A. Oceanography

B. Algology

C. Phology

D. Orintology

469. **Emission of light by living organisms:**

A. Natural light

B. Bioluminescence

C. Illumination

D. Mimicry

470. **Soft drinks use chilled water because:**

A. Better ingredient dissolution

B. Enhanced taste

C. Attracts more carbon dioxide

D. More hygienic

AL HABIB ACADEMY

471. All energy forms ultimately transform into:

- A. Electrical Energy
- B. Heat Energy**
- C. Light Energy
- D. Chemical Energy

472. Survival without food:

- A. One month**
- B. Two months
- C. Three months
- D. Four months

473. Universal blood receiver:

- A. Group A
- B. Group B
- C. Group AB**
- D. Group O

474. Bleaching action of chlorine is via:

- A. Oxidation**
- B. Reduction
- C. Decomposition
- D. Hydrolysis

475. Ruby is an oxide of:

- A. Silver
- B. Gold
- C. Platinum
- D. Aluminium oxide**

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476. **Leukemia affects:**

- A. Blood**
- B. Lungs
- C. Eyes
- D. Nerves

477. **Discoverer of blood circulation:**

- A. Edward Jenner
- B. Joseph Lister
- C. William Harvey**
- D. Gregor Mendel

478. **Mumps is caused by:**

- A. Fungus
- B. Bacterium
- C. Vitamin deficiency
- D. Virus**

479. **Common name for acetyl salicylic acid:**

- A. Paracetamol
- B. Analgin
- C. Aspirin**
- D. Penicillin

480. **Fingernails are made of:**

- A. Carbohydrate
- B. Fats
- C. Protein**
- D. Starch

AL HABIB ACADEMY

481. **Enology** is the study of:

- A. Wine**
- B. Digestion
- C. Kidneys
- D. None

482. **Metal in vitamin B12:**

- A. Iron
- B. Magnesium
- C. Zinc
- D. Cobalt**

483. **Effect of wrong blood type transfusion:**

- A. Arteries constrict
- B. Arteries dilate
- C. RBCs agglutinate**
- D. Spleen deteriorates

484. **Study of fruits:**

- A. Pomology**
- B. Plriculture
- C. Sericulture
- D. Apiculture

485. **Lens in a simple microscope:**

- A. Concave
- B. Convex**
- C. Cylindrical
- D. None

AL HABIB ACADEMY

486. Lunar eclipse occurs on:

- A. New Moon
- B. Full Moon**
- C. Half Moon
- D. Quarter Moon

487. Red + Green + Blue =

- A. Maroon
- B. White**
- C. Black
- D. None

488. Beaufort Scale measures:

- A. Wind Velocity**
- B. Air Pressure
- C. Wind Direction
- D. Humidity

489. Gas used in soda water:

- A. Ammonia
- B. Hydrogen
- C. Nitrogen
- D. Carbon Dioxide**

490. Goitre is associated with:

- A. Pituitary gland
- B. Thyroid gland**
- C. Thymus gland
- D. Parathyroid gland

AL HABIB ACADEMY

491. **Physics branch studying Earth's internal structure:**

- A. Biophysics
- B. Geophysics**
- C. Plasma physics
- D. Atomic physics

492. **Instrument measuring electric force:**

- A. Hygrometer
- B. Hydrometer
- C. Ammeter**
- D. Voltmeter

493. **Average weight of a woman's brain:**

- A. 4.8 oz
- B. 5.8 oz
- C. 5.4 oz
- D. 4.4 oz**

494. **"Black diamond" refers to:**

- A. Copper
- B. Iron
- C. Coal**
- D. Wood

495. **Water discovered on habitable super-Earth:**

- A. K2-14d
- B. K2-15c
- C. K2-13a
- D. K2-18b**

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496. **Chronometer inventor:**

- A. Robert Fulton
- B. Nikola Tesla
- C. Martin Cooper
- D. John Harrison**

497. **Largest flower in the world:**

- A. Conifer
- B. Fern
- C. Rafflesia**
- D. Horsetail

498. **Gas directly proportional to temperature (law):**

- A. Charles' Law**
- B. Boyle's Law
- C. Graham's Law
- D. Dalton's Law

499. **Energy dissipation from oscillating systems:**

- A. Oscillation
- B. Damping**
- C. Resonance
- D. None

500. **Photoreceptors in the eye are located in the:**

- A. Cornea
- B. Retina**
- C. Iris
- D. Sclera

Best of Luck