

St. Cecilia's Public School

Quiz Club

Session – 2016 – 17

Senior Wing

Science and Environment

1. Brass gets discoloured in air because of the presence of which of the following gases in air?
a. Oxygen b. Hydrogen Sulphide c. Carbon dioxide d. Nitrogen
2. Chlorophyll is a naturally occurring chelate compound in which central metal is
a. Copper b. magnesium c. iron d. calcium
3. Which of the following metals forms an amalgam with other metals?
a. Tin b. mercury c. lead d. zinc
4. The gas usually filled in the electric bulb is
a. Nitrogen b. hydrogen c. oxygen d. carbon dioxide
5. Washing soda is the common name for
a. Sodium carbonate b. Calcium bicarbonate c. Sodium bicarbonate d. Calcium carbonate
6. Quartz crystals normally used in quartz clocks etc. is chemically
a. Silicon dioxide b. Germanium oxide c. Sodium silicate d. None of these
7. Bromine is a
a. Black solid b. Red liquid c. Colourless gas d. Highly inflammable gas
8. The variety of coal in which the deposit contains recognisable traces of the original plant material is
a. Bitumen b. Anthracite c. Lignite d. Peat
9. Tetraethyl lead is used as
a. pain killer b. fire extinguisher c. mosquito repellent d. petrol additive
10. Which of the following is used as a lubricant?
a. Graphite b. Silica c. Iron oxide d. Diamond
11. The inert gas which is substituted for nitrogen in the air used by deep sea divers for breathing, is
a. Argon b. Xenon c. Helium d. Krypton
12. The gases used in different types of welding would include
a. oxygen and hydrogen c. oxygen, hydrogen, acetylene and nitrogen
b. oxygen, acetylene and argon d. oxygen and acetylene
13. The property of a substance to absorb moisture from the air on exposure is called
a. Osmosis b. deliquescence c. efflorescence d. desiccation
14. When an iron nail gets rusted, iron oxide is formed
a. without any change in the weight of the nail
b. with decrease in the weight of the nail
c. with increase in the weight of the nail
d. without any change in colour or weight of the nail
15. Heavy water is
a. deuterium oxide b. distilled water c. rain water d. tritium oxide

16. The chemical (ethyl mercaptan) added to the otherwise odourless LPG cooking gas for imparting a detectable smell to the gas is a compound of
 - a. Bromine
 - b. chlorine
 - c. fluorine
 - d. sulphur
17. Non stick cooking utensils are coated with
 - a. Teflon
 - b. PVC
 - c. black paint
 - d. polystyrene
18. Carbon, diamond and graphite are together called
 - a. Allotropes
 - b. isomers
 - c. isobars
 - d. isotopes
19. The most important ore of aluminium is
 - a. Galena
 - b. calamine
 - c. calcite
 - d. bauxite
20. Which of the following was to be discovered first in the chromospheres of the sun?
 - a. Krypton
 - b. xenon
 - c. helium
 - d. argon
21. From which mineral is radium obtained?
 - a. Rutile
 - b. haematite
 - c. limestone
 - d. pitchblende
22. In fireworks, the green flame is produced because of
 - a. Sodium
 - b. barium
 - c. mercury
 - d. potassium
23. Marsh gas is
 - a. Nitrogen
 - b. ethane
 - c. methane
 - d. hydrogen
24. Production of chlorofluorocarbons (CFC) gas which is proposed to be banned in India, is used in which of the following domestic products?
 - a. Television
 - b. refrigerator
 - c. tube light
 - d. cooking gas
25. Which of the following is not an isotope of hydrogen?
 - a. Tritium
 - b. deuterium
 - c. protium
 - d. yttrium
26. Potassium Permanganate is used for purifying drinking water, because
 - a. it is a sterilising agent
 - b. it is a reducing agent
 - c. it dissolves the impurities of water
 - d. it is an oxidising agent
27. In September 2014, the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) added six new species to its protected list. This means that global trade of these species became restricted. Which is one of the six new species?
 - a. Manta Ray
 - b. Snow leopard
 - c. Chilean Sea Bass
 - d. Red-crowned Crane
28. When was Environment Day observed for the first time?
 - a. 1996
 - b. 1976
 - c. 1972
 - d. 1992
29. We all know that the Kaziranga sanctuary is a place where rhinos can live safely away from hunters. What is the term used for such careful use and protection of nature?
 - a. Bio-friendly
 - b. Degradation
 - c. Eco-friendly
 - d. conservation
30. Which one of the following is a useful biological indicator of Sulphur-dioxide pollution?
 - a. Bryophytes
 - b. Algal bloom
 - c. Lichens
 - d. Pseudomonas

Answer the following in one word:

31. Name the chief constituent of LPG cooking gas.
32. In which part of the human digestive system, process of digestion get completed?
33. Which branch of science deals with the study of law of genetics for the improvement of human race?
34. Which is also known as green protozoan?
35. Name the substance which prevents coagulation of blood inside the human body.

36. Which tissue acts as insulator and keeps our body warm?
37. How many amino acids are present in human body?
38. Name the naturally occurring element present in the rice husk that makes it termite resistant?
39. Name the branch of biology that deals with the relationship between the living and non-living component of the environment.
40. Name the addictive substance present in the leaves of tobacco plant.
41. Name the pathogen causing Kala-Azar.
42. Name the process of slow and homogeneous cooling of glass.
43. Which country emits the largest amount of CO₂?
44. How long does it take for glass to decompose completely?
45. What % of World's oxygen content is emitted by Amazon rain forests?
46. Where is the World's largest plastic recycling plant located?
47. Which day is called as "The International Day for the preservation of Ozone layer"?
48. What is the climate change agreement aimed at stabilizing greenhouse gas levels in the atmosphere, named after the Japanese city in which participating nations agreed its framework in 1997?
49. Three Mile Island was the site of which disaster?
50. The DuPont trade name Freon has become an alternative name for which abbreviated compound name strongly associated with ozone layer depletion?