

1) Pana Sankranti is celebrated by Buddhist and Hindus residing in which state?

- a) Assam b) Sikkim
 c) Odisha d) Manipur

2) Most commonly used bleaching agent is :

- a) Alcohol b) Carbon dioxide
 c) Chlorine d) Sodium chloride

3) Per oxy acetyl nitrate is a :

- a) Plant hormone b) Vitamin
 c) Secondary pollutant d) Acidic dye

4) The term 'brown air' is used for:

- a) Photochemical smog b) Sulfurous smog
 c) Industrial smog d) Acid fumes

5) Which one of these animals belongs to mollusca ?

- a) Hare b) Hydra
 c) Hyla d) Haliotis

6) Allantois of Embryo helps in :

- a) Respiration b) excretion
 c) protection d) digestion

7) Outside the nucleus DNA is found in :

- a) Mitochondria b) Ribosome
 c) Endoplasmic reticulum d) Golgi bodies

8) Electric current is measured using which of the following instrument ?

- a) Voltmeter b) Anemometer
 c) Wattmeter d) Ammeter

9) Neap tides are :

- a) Strong b) Weak
 c) Medium d) Very Strong

10) Bulbils Takes Part in :

- a) Sexual reproduction b) Food storage
 c) Vegetative reproduction d) Respiration

11) Golden view of sea shell is due to:

- a) Dispersion b) Diffraction
 c) Polarization d) Reflection

12) What is the name of First artificial heart?

- a) Herces-1 b) Jarvik-7
 c) Cardic-2 d) Servex

13) Vaccine for hydrophobia was discovered by :

- a) Edward Jenner b) Louis Pasteur
 c) Robert Koch d) None of the above

14) Total number of bones in human body:

- a) 306 b) 206 c) 510 d) 406

15) World Health day is observed on

- a) March 7 b) April 7 c) March 17 d) June7

16) The disease caused by bacteria is

- a) Typhoid b) Common cold
 c) Chicken pox d) Typhus fever

17)is caused by a fungus.

- a) Malaria b) Typhus fever
 c) Athlete's foot d) Filariasis

18) The metal used for making filament in an incandescent lamp

- a) Tungsten b) Tin c) Zinc d) Copper

19) Microfarad is the commonly used unit of

- a) Resistance b) Inductance
 c) Capacitance d) Diodes

20) Glucose test is conducted by using the solution

- a) Barium chloride solution b) Benedict solution
 c) Silver nitrate solution d) Ferrous Sulphate solution

21) Which vitamin is called Alpha-tocopherol ?

- a) Vitmain B b) Vitmain E
 c) Vitmain C d) Vitmain K

22)'Lub-dup' sound is produced due to the action of

- a) Large Intestine b) Lungs
 c) Heart d) Oesophagus

23) Which of these is the richest source of Vit -C ?

- a) Fish b) Guava
 c) Milk d) Yogurt

24) Methane gas is invented by the scientist

- a) Alexandra Volta b) John Dalton
 c) Thomas Alwa Edison d) Alexander Fleming

25) Which is the relay centre in our brain

- a) Pituitary gland b) Thalamus
 c) Meninges d) Spinal cord

26) The scientist who formulated the "Germ theory of disease" is

- a) **Louis Pasteur** b) Hugo Devries
c) Lamarck d) Griger Mendel

27) Which instrument regulates the resistance or current in a circuit

- a) Volta cell b) Generator
c) **Rheostat** d) Volta cell

28) Nitrogen fixing bacteria lives in the root tumours of pea-plants is called

- a) Rhizome b) **Rhizobium**
c) E.coli d) Streptococcus

30) Which one of the following is not a disease caused by virus ?

- a) Bird Flu b) Chicken pox
c) **Cholera** d) Dengue

31) An antiviral chemical produced by the animal cell

- a) Hormone b) Virone
c) **Interferon** d) Cystone

32) Which is the 'black death' disease?

- a) Avian flue b) Swine flue
c) **Plague** d) Malaria

33) Mango juice is obtained from

- a) **Mesocarp** b) Endocarp
c) Pericarp d) Epicarp

34) Electromyograph is a diagnostic test of

- a) Lungs b) **Muscles**
c) Veins d) Blood

35) The critical angle of a wave will be refracted to

- a) **90 degree** b) 60 degree
c) 80 degree d) 50 degree

36) Elephantiasis disease transmitted by

- a) Sand fly b) Anopheles mosquito
c) Housefly d) **Culex mosquito**

37) Pheromones are

- a) Endohormones b) **Ectohormones**
c) Growth hormones d) None of these

38) Carbylamine test is a diagnostic test for

- a) **Primary amine** b) Secondary amine
c) Quarternary amine salts d) Tertiary amine

38) The study of action of drugs is known as

- a) **Pharmacology** b) Pharmacognosy
c) Pathology d) Pharmaceutical

39) 'Beri beri' is caused due to the deficiency of

- a) Vitamin A b) **Vitamin B**
c) Vitamin C d) Vitamin D

40) 'Hibernation' is

- a) Autumn sleep b) Summer sleep
c) Spring sleep d) **Winter sleep**

41) The planet which has highest weight for substance

- a) Mars b) Saturn
c) **Jupiter** d) Venus

42) Acid used to wash eyes is

- a) Lactic acid b) Acetic acid
c) **Boric acid** d) Citric acid

43) Dry ice is

- a) **Solid CO₂** b) Solid NO₂
c) Solid SO₂ d) Solid CO

44) Which one among the following causes stomach Pain in human body?

- a) Base b) Acid
c) Salt d) **Bacterium**

45) The polymer found in crustacean shell

- a) Calcium carbonate b) Starch
c) Cellulose d) **Chitosan**

46) Maximum fixation of solar energy is done by:

- a) Bacteria b) Fungi
c) **Green plants** d) Protozoa

47) Most commonly used bleaching agent is :

- a) Alcohol b) Carbon dioxide
c) **Chlorine** d) Sodium chloride

48) Which one of the following compounds is not considered as an acid

- a) BF₃ b) AlCl₃
c) **NH₃** d) C₆H₅OH

49) Hydrogen atoms present in acetylene molecule are

- a) **Acidic**
 c) both acidic and basic
- b) basic
 d) neutral

50) Which one among the following is not a green house gas?

- a) Water Vapour
 c) Methane
- b) Chlorofluorocarbon
 d) **Nitrogen**

51) γ -rays(Gamma) consists of

- a) meson particle
 c) **Electromagnetic waves**
- b) Neutrino particles
 d) Higg's boson

52) Solar powered Wifi hotspots are to be launched as part Digital India by

- a)C-DIT
 c)C-DAC
- b)**C-DOT**
 d)ISRO

53)A typical black hole is always specified by :

- a)a (curvature) singularity
 b)**a horizon**
 c)either a singularity or horizon
 d)a charge

54) Which one of the following gases is supporter of combustion?

- a)Hydrogen
 c)Carbon di oxide
- b)Nitrogen
 d)**Oxygen**

55) Among the following animals, choose the one having three pair of legs:

- a)Spider
 c)Scorpion
- b)**Bug**
 d)Mite

56) The instrument used to measure the growth of plant is :

- a)Durometer
 c)Potometer
- b)**Auxanometer**
 d)Cryometer

57) Which one among the following is a molecular scissor?

- a)Ligas
 c)Superbugs
- b)**Restriction Endonuclease**
 d)Endrophyl

58)A liquid having PH more than 7 is :

- a)Citric acid
 c)Soda water
- b)**Lime water**
 d)Vinegar

59) Overproduction of which hormone leads to exophtalmic goitre?

- a)Iodine
 c)**Thyroxine**
- b)Insulin
 d)ADH

60) Which one of the following is not a Viral disease?

- a)Avion flue
 c)SARS
- b)**Malaria**
 d)Dengue fever

61) Which one of the following produces the growth hormone(Somatotropin)?

- a)Adrenal
 c)**Pituitary**
- b)Pancreas
 d)Thyroid

62) Which one of the following organisms causes Malaria?

- a)Bacteria
 c)**Protozoa**
- b)Fungus
 d)Virus

63) Which one of the following is used to induce artificial rain?

- a)Ammonium chloride
 c)**Potassium nitrate**
- b)Calcium carbonate
 d)Silver iodide

64) What is the minimum distance from the object for a healthy eye to have clear vision?

- a)15 cm
 c)**25 cm**
- b)20 cm
 d)10 cm

65) What is the key ingredient in vinegar that you use in your diet?

- a)**Acetic acid**
 c)Ascorbic acid
- b)Benzoic acid
 d)Nicotinic acid

66) Name the process by which plants prepare their food?

- a)Osmosis
 c)Fluorescence
- b)**Photosynthesis**
 d)Transpiration

67) ECG is an instrument used in the study of :

- a)Lungs
 c)Brain
- b)**Heart**
 d)Liver

68)Which instrument is used for estimating purity of milk?

- a)**Lactometer**
 c)Pyrometer
- b)Hydrometer
 d)Hygrometer

69) Which part of the brain is affected when pain killer is used?

- a) Cerebellum
b) Cerebrum
c) Hypothalamus
d) Thalamus

70) Who discovered the law of gravity?

- a) Copernicus
b) **Issac Newton**
c) Ptolemy
d) Galileo

71) Which is the most malleable of all metals?

- a) Copper
b) Silver
c) **Gold**
d) Aluminum

72) Which plant hormone is found in gaseous form?

- a) **Ethylene**
b) Cytokinin
c) Auxin
d) Gibberlin

73) A television remote uses :

- a) **Infrared waves**
b) Cosmic rays
c) Microwaves
d) Ether waves

74) Who was the first scientist to become member of Indian parliament?

- a) **APJ Abdul Kalam**
b) Meghnad Saha
c) O M Nambiar
d) E Sreedharan

75) In which colour of visible light does photosynthesis occur best?

- a) **Red**
b) Violet
c) Green
d) Orange

76) Which is the most electronegative element?

- a) Sodium
b) Oxygen
c) Nitrogen
d) Fluorine

77) Two strands of DNA are held together by :

- a) **Hydrogen bond**
b) Covalent bond
c) Van der Waal's force
d) Electrostatic force

78) The first nuclear reactor in India is :

- a) Sarus
b) Param 9000
c) **Apsara**
d) Durga

79) Byssinosis disease is common in the workers of

- a) rubber industry
b) ceramic industry
c) iron and steel industry
d) Textile Industry

80) Which of the following are two main constituents of granite?

- a) Iron oxide & Potassium
b) Iron and Silver
c) **Silica and Aluminum**
d) Iron and Silica

81) From which one of the following chambers of human heart is the oxygenated blood pump into aorta?

- a) Right atrium
b) Right ventricle
c) Left Atrium
d) Left ventricle

82) For a Missile launched in space with a velocity less than Earth's escape velocity, the total energy is -

- a) **Negative**
b) Positive
c) Either positive or negative
d) Zero

83) The velocity of sound in moist air is more than in dry air because the moist air has:

- a) less pressure than dry air
b) more pressure than dry air
c) **more density than dry air**
d) less density than dry air

84) Heavy Water of an atomic reactor is

- a) deionised water
b) **an oxide of heavier isotope of oxygen**
c) a mixture of ice and 3water
d) an oxide of heavier isotope of hydrogen

85) Use of tamarind juice as a part of our meal helps

- a) to prevent tooth decay
b) to take care of excess fluoride in drinking water
c) **for easy digestion of food**
d) to increase the strength of bones

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