

Q1). Which ventricle of human heart pumps deoxygenated blood into pulmonary ?

- A. Right Ventricle
- B. Left Ventricle
- C. Left Auricle
- D. Right Auricle

Q2). Which of the following is/are unicellular organism (s)?

- A. Amoeba
- B. Chlamydomonas
- C. Paramecium
- D. All of these

Q3). Which of the following is not a part of hind brain ?

- A. Pons
- B. Medulla
- C. Cerebrum
- D. None of these

Q4). Which hormone helps in the growth of plants ?

- A. Auxin
- B. Zibberline
- C. Cytokinene
- D. All of these

Q5). Which plant hormone helps in stem growth ?

- A. Auxin
- B. Zibberline
- C. Cytokinen
- D. Absisik acid

Q6). Which of these is not an endocrine gland ?

- A. Thymus
- B. Parotid gland
- C. Adrenal gland
- D. None of these

Q7). Which metabolism does thyroxin controls in human beings ?

- A. Carbohydrates
- B. Proteins
- C. Fat
- D. All of these

Q8). Which one is an Emergency hormone ?

- A. Pepsin
- B. Thyroxin
- C. Adrenalin
- D. Insulin

Q9). Which is correct according to year of birth ?

- A. C.V. Raman 1898
- B. Srinivasa Ramanujan 1885
- C. J.C. Bose 1860
- D. Har Gobind Khorana 1922

Q10). Lack of Iodine in our diets causes

- A. Typhoid
- B. Malaria
- C. Diabetes
- D. Goiter

Q11). An object travels 16m in 4 seconds & then another 16m in 2 seconds. Calculate the average speed of the object.

- A. 2.33 m/s
- B. 5.33 m/s
- C. 8.33 m/s
- D. None of these

Q12). In men sex chromosome is

- A. X
- B. XY
- C. XX
- D. YY

Q13). From evolution point of view which animal is very close to human species ?

- A. Gorilla
- B. Monkey
- C. Chimpanzee
- D. Rabbit

Q14). Example of homologous organs is

- A. Our hand & dogs foreleg
- B. Our teeth & elephant's teeth
- C. Potato & grassy topsoil
- D. All of these

Q15). Where human evolution took place ?

- A. In Asia
- B. In Africa
- C. In North America
- D. In Australia

Q16). Which chromosome does a boy receive from his father ?

- A. Y
- B. X

- C. Z
- D. O

Q17). Which plant Mendel selected for his Genetics experiment ?

- A. Mustard
- B. Maize
- C. Pea
- D. Wheat

Q18). From which rays does ozone layer protects Earth ?

- A. Red
- B. Infra Red
- C. Ultra Violet
- D. None of these

Q19). Which of the following is not an ecosystem naturally ?

- A. Forest
- B. Pond
- C. Field
- D. Lake

Q20). In which of the following, CFC is used ?

- A. In refrigerator
- B. In fire extinguisher
- C. Both A & B
- D. In pesticides

Q21). What causes green house effect mainly ?

- A. O₂
- B. N₂
- C. CO₂

D. Water vapour

Q22). Which one is bio degradable matter :

- A. DDT
- B. Plastic
- C. Glass
- D. Paper

Q23). Which of the following is a man made ecosystem ?

- A. Sea
- B. Field
- C. Desert
- D. Forest

Q24). Which of the following is a breed of buffalo ?

- A. Red sindhi
- B. Bhadawari
- C. Gir
- D. Angora

Q25). Shaving mirror are

- A. Concave lens
- B. Convex lens
- C. Plane mirror
- D. None of these

Q26). Sign of danger is denoted by which colour ?

- A. Blue
- B. Green
- C. Black
- D. Red

Q27). Spherical mirror's magnifying formula is

A. v/u

B. $-v/u$

C. u/v

D. $-u/v$

Q28). What makes sunset colour red ?

- A. Reflection
- B. Deflection
- C. Scattering
- D. Refraction

Q29). How many colours are present in white light ?

- A. 3
- B. 9
- C. 7
- D. 6

Q30). Any metal conductor's resistance always _____ on increasing temperature.

- A. Decreases
- B. Remains equal
- C. Increases
- D. None of these

Q31). An ammeter is always connected in which circuit ?

- A. In series
- B. In parallel
- C. Both A & B
- D. None of these

Q32). What type of energy is there in flowing water ?

- A. Kinetic energy
- B. Potential energy
- C. Atomic energy
- D. Heat energy

D. 24 December

Q38). When Pradhan Mantri Fasal Bima Yojana (PMFBY) scheme was launched in India by Ministry of Agriculture & Farmers Welfare, New Delhi

- A. From Kharif 2014 season
- B. From Kharif 2016 season
- C. From Kharif 2018 season
- D. From Kharif 2019 season

Q33). The formula of Sulphuric acid is

- A. H_2SO_4
- B. Na_2SO_4
- C. H_2O
- D. HNO_3

Q39). Soil Health Card Scheme was launched by the Government of India on

- A. 19 Feb. 2012
- B. 19 Feb. 2015
- C. 19 Feb. 2016
- D. 19 Feb. 2019

Q34). Bauxite is ore of which metal ?

- A. Gold
- B. Copper
- C. Aluminium
- D. Iron

Q40). One acre area is equal to

- A. 4800 yard²
- B. 4810 yard²
- C. 4820 yard²
- D. 4840 yard²

Q35). Which acid is present in curd ?

- A. Lactic acid
- B. Tartaric acid
- C. Acetic acid
- D. Oxalic acid

Q41). Puddling is done to

- A. Reduce the percolation of water
- B. Kill weed
- C. Pulverize soil
- D. Level the soil

Q36). ICAR-Directorate of Medicinal & Aromatic Plants Research is situated at

- A. Anand
- B. Mumbai
- C. Lucknow
- D. Delhi

Q42). Which of the following is bio-fortified variety of Bajra ?

- A. HHB 299
- B. HHB 311

Q37). World soil day is celebrated on

- A. 4 December
- B. 5 December
- C. 14 December

- C. Dhanashakti
- D. All of these

Q43). Orobanche is a root parasitic weed of

- A. Mustard
- B. Rice
- C. Cotton
- D. All of the above

Q44). Which is odd one ?

- A. Vermi compost
- B. Farm Yard Manure
- C. Neem cake
- D. Biogas slurry

Q45). Government of India introduced 100% neem coating on all subsidized agricultural grade urea in the country, because

- A. Release of Neem oil in the soil increases nitrogen fixation by the soil microorganisms
- B. Neem coating slows down the rate of dissolution of urea in the soil & improve nitrogen use efficiency
- C. Nitrous oxide, which is a greenhouse gas, is not at all released into atmosphere by crop fields
- D. It is a combination of a weedicide & a fertilizer for crops

Q46). The disease related to wheat is

- A. Yellow rust
- B. Tikka
- C. Khaira

- D. Red rot

Q47). Which of the following is correct in context of rice straw burning ?

- A. Burning of one tonne of rice straw accounts for loss of approximately 5.5 kg Nitrogen, 2.3 kg phosphorus, 25 kg potassium & 1.2 kg sulphur, besides, organic matter.
- B. Burning of one tonne of rice straw produces approximately 60 kg CO, 1460 kg CO₂, 2 kg SO₂ & 199 kg ash
- C. Both A & B
- D. None of the above

Q48). For late sown & mild salinity condition, the seed rate of wheat should be

- A. 25% higher of recommended under normal condition
- B. 25% lower of recommended under normal condition
- C. Recommended seed rate under normal condition
- D. 50% lower of recommended under normal condition

Q49). Optimum depth of sowing of crops depends on

- A. Seed size
- B. Seed reserve
- C. Coleoptile length
- D. All of these

Q50). Photosensitive varieties are

- A. Period bound
- B. Season bound
- C. Both A & B
- D. None of these

- B. Disc plough
- C. Disc harrow
- D. Mouldboard plough

Q51). Which is the basic property of soil ?

- A. Porosity
- B. Texture
- C. Structure
- D. Water holding capacity

Q56). Generally weed seeds are abundant at a depth of

- A. 1.0 to 1.5 cm
- B. 5 to 10 cm
- C. 10 cm
- D. 20 cm

Q52). Critical level of oxygen for better root growth is

- A. 1-2%
- B. 3-5%
- C. 5-10%
- D. >10%

Q57). 2,4-D herbicide is injurious to ___ crop.

- A. Cotton
- B. Mustard
- C. Chickpea
- D. All of these

Q53). Summer tillage aims for

- A. Eradicating perennial weeds
- B. Checking erosion
- C. Destroying pest & disease
- D. All of these

Q58). Integrated farming system improves

- A. In farm income
- B. In family labour employment
- C. In nutritional security of family
- D. All of these

Q54). Honey bee acts as a pollinator in which of the following crop plants ?

- A. Mustard
- B. Sunflower
- C. Okra
- D. All of these

Q59). What is the present name of Central Agriculture Ministry ?

- A. Agriculture Ministry
- B. Agriculture & Co-operative Ministry
- C. Ministry of Agriculture & Farmer Welfare
- D. Agriculture & Fertilizer Ministry

Q55). Which one of the following is a secondary tillage implements ?

- A. Indigenous plough

Q60). Azotobacter is a kind of

- A. Insecticide
- B. Biofertilizer
- C. Herbicide

D. Chemical fertilizer

Q61). Where Haryana Institute of Rural Development is situated ?

- A. Nilokheri
- B. Karnal
- C. Hisar
- D. Panchkula

Q62). Crop sensitive to salinity & water logging is

- A. Sesame
- B. Castor
- C. Sunflower
- D. Groundnut

Q63). Potassium nitrate (KNO_3) contain _____% nitrogen.

- A. 3%
- B. 13%
- C. 23%
- D. 33%

Q64). Six seasons in a year were mentioned in Rig Veda, the oldest veda compiled around 3700 BC.

The six seasons are:

- A. Grishma, Varsha, Hemant, Sharad, Kartik & Vasant
- B. Grishma, Varsha, Falgun, Sharad, Shishir & Vasant
- C. Grishma, Varsha, Hemant, Sharad, Shishir & Vasant
- D. Grishma, Varsha, Hemant, Sawan, Shishir & Vasant

Q65). Foxtail millet (Kangni) is a millet crop rich in _____.

- A. Na
- B. Ca
- C. Cl
- D. Mn

Q66). Which of the following is green manure crop ?

- A. Dhaincha
- B. Sunhemp
- C. Both A & B
- D. None of these

Q67). Which one of these is not a cash crop ?

- A. Soybean
- B. Sugarcane
- C. Guar
- D. American cotton

Q68). Tag colour of Certified seed is

- A. White
- B. Golden yellow
- C. Blue
- D. Purple

Q69). The acid equivalent of Urea is

- A. 80
- B. 128
- C. 110
- D. 93

Q70). Both early & late blight diseases cause damage in which crop ?

- A. Potato
- B. Cole crops (Cauliflower, Cabbage)
- C. Onion (Both rabi & kharif)
- D. Bhindi (Lady's finger)

- B. P
- C. Zn
- D. All of these

Q71). Removal of excess rain water from fields is called

- A. Downward deep percolation
- B. Adsorption
- C. Absorption
- D. Drainage

Q76). Formula of Lead Nitrate is:

- A. $PbNO_2$
- B. $Pb(NO_2)_2$
- C. $PbNO_3$
- D. $Pb(NO_3)_2$

Q72). Oil content of Sunflower is

- A. 10-20%
- B. 20-35%
- C. 35-43%
- D. 45-50%

Q77). What is formula of Calcium oxide ?

- A. CaO
- B. $Ca(OH)_2$
- C. $CaCO_3$
- D. $CaSO_4$

Q73). WH1270 is a variety of

- A. Barley
- B. Wheat
- C. Pearl millet
- D. Mustard

Q78). Which one is not a part of eye ?

- A. Pupil
- B. Optic nerve
- C. Cochlea
- D. Sclera

Q74). The main component of neem oil with insecticidal properties is

- A. Nimbin
- B. Gossypol
- C. Saponin
- D. Azadirachtin

Q79). SI unit of Volume is:

- A. m^3
- B. kg
- C. cm^2
- D. none of these

Q75). Calcareous soils reduce the nutrient availability of

- A. Fe

Q80). pH of an acid is

- A. below 7
- B. 7
- C. 14
- D. Above 14

Q81). Tartaric acid is found in

- A. Orange
- B. Tamarind
- C. Sour milk
- D. Tomato

Q82). Gases are highly compressible as compared to

- A. Solids
- B. Liquids
- C. Both solids & liquids
- D. None of these

Q83). Which metal's Alloy is known as Amalgam ?

- A. Iron
- B. Copper
- C. Silver
- D. Mercury

Q84). Which non-metal is bright ?

- A. Sulphur
- B. Iodine
- C. Phosphorus
- D. Bromine

Q85). Metallic oxide may be

- A. Only basic
- B. Only acidic
- C. Only neutral
- D. Basic & ambidextrous

Q86). Butanon is Tetra carbon compound, it's functional group is

- A. Aldehyde
- B. Alcohol

- C. Carboxylic acid
- D. Ketone

Q87). Formula of Cyclohexane is

- A. C_6H_{14}
- B. C_6H_{12}
- C. C_6H_{10}
- D. C_6H_6

Q88). Which one of the following is odd ?

- A. S.N. Bose
- B. C.V. Raman
- C. J.C. Bose
- D. Sumedh Mudgalkar

Q89). In N_2 atom which type of bonding is ____.

- A. Mono
- B. Ionic
- C. Triple
- D. Double

Q90). How many covalent bonds are in C_2H_6 ?

- A. Six
- B. Eight
- C. Seven
- D. Fourteen

Q91). Unsaturated hydrocarbon of triple bonds are known as:

- A. Alkane
- B. Alkyne
- C. Alkene
- D. None of these

Q92). What type of salts are present in Hard water ?

- A. Na, K
- B. Ba, Ca
- C. Ca, Mg
- D. Ca, K

Q93). Which element has three shell & valency of four electrons ?

- A. Al
- B. Si
- C. O
- D. Na

Q94). Which element has two shell & both are electron filled ?

- A. H
- B. B
- C. He
- D. Ne

Q95). How many groups are in Mendeleev's periodic table ?

- A. 16
- B. 18
- C. 08
- D. 06

Q96). An element 'A' has atomic number '7' this is

- A. Metal
- B. Metal alloy
- C. Metalloid
- D. Non metal

Q97). Brass is a mixture of ____

- A. Aluminium & copper
- B. Platinum & copper
- C. Zinc & copper
- D. Iron & copper

Q98). Nobel gases fall in which group of table ?

- A. First
- B. Eighteenth
- C. Fifth
- D. Seventeenth

Q99). Which of the following enzymes act in acidic medium ?

- A. Trypsin
- B. Pepsin
- C. Saliva
- D. Amylase

Q100). In which part of human digestive system water is absorbed ?

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