

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>
10th Std – Biology

1. Heredity and Evolution

I. Choose the correct answer.

1. Mendel observed 7 pairs of contrasting characters in *Pisum sativum*. Which one of the following is not a part of that?

- a. Tall and dwarf
- b. Yellow and green seed colour
- c. Terminal and axial flower
- d. **Smooth and rough stem**

2. Primitive man evolved in _____

- a. **Africa**
- b. America
- c. Australia
- d. India

3. Which of the following is inheritable?

- a. **an altered gene in sperm**
- b. an altered gene in liver cells
- c. an altered gene in skin cells
- d. an altered gene in udder cells

4. The theory of Natural Selection was proposed by _____

- a. **Charles Darwin**
- b. Hugo de Vries
- c. Gregor Johann Mendel
- d. Jean Baptise Lamarck

5. Somatic gene therapy causes _____

- a. changes in sperm
- b. changes in progency
- c. **changes in body cell**
- d. changes in ovum

6. In a pea plant, the yellow colour of the seed dominates over the green colour. The genetic makeup of the green colour of the seed can be shown as _____

- a. GG
- b. Gg

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Yy

d. yy

7. Some people can roll their tongue and this is a genetically controlled auto-somal dominant character.[Roller=RR/Rr;; Non-roller=rr]

A child who can roll the tongue has one brother who is a non-roller and two sisters who are rollers. If both the parents are rollers, the genotypes of their parents would be _____

a. RR x RR

b. **Rr x Rr**

c. RR x rr

d. rr x rr

8. Hydra, a multi-cellular invertebrate of phylum cnidaria(coelenterate) can give rise to new offspring by various methods. Choose the method by which the offspring are produced with significant variations.

a. budding

b. regeneration

c. **sexual reproduction**

d. asexual reproduction

9. The following are the events in the formation of the first cloned animal- the sheep Dolly.

- i. Removal of haploid nucleus from the ovum.
- ii. Implantation of ovum with diploid nucleus into the surrogate mother
- iii. Collection of udder cell from the sheep
- iv. Injection of diploid nucleus of udder cell into the enucleated ovum.
- v. Development of a young clone.

a. (i)(ii)(iii)(iv)(v)

b. (iii)(i)(ii)(v)(iv)

c. **(iii)(i)(iv)(ii)(v)**

d. (v)(iv)(iii)(ii)(i)

10. The following are statements about stem cells.

- i. There are unspecialised / undifferentiated cells.
- ii. They can be transformed into any type of body cell

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- iii. They can multiply rapidly to form a large number of similar types of cells.
- iv. They cannot transform into cardiac cells or nerve cells.
- v. They are obtained from reproductive progeny only

a. **(i)(ii)(iii) only**

b. (iii)(iv)(v)only

c. (i)(iii)(v) only

d. (ii)(iii)(v)only

11. In peons suffering from insulin-dependent diabetes, _____ the cells of pancreas are degenerated.

a. Alpha

b. **Beta**

c. Gamma

d. Delta

12. Identical twins are born as a result of fertilization between _____

a. two eggs and two sperms

b. two eggs and one sperm

c. **one egg and one sperm**

d. one egg and two sperms

13. Identify the incorrect statement about identical twins.

a. developed from a single zygote

b. always of the same sex

c. look alike in many aspects

d. **differ in their blood groups**

14. The correct statement about Neanderthal man is _____

a. the first human like hominid

b. started agriculture

c. ate meat and walked erectly

d. **buried the dead**

15. The inheritance of characteristics through generation is called “heredity”. In Mendel’s *Pisum sativum* plant, the genetic material responsible for heredity is _____

a. **DNA**

b. RNA

c. Protein

d. Cytoplasm

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

16. The difference in the characteristics between the individuals is called _____

- a. Heredity
- b. **Variation**
- c. Evolution
- d. Applied biology

17. The inheritance of characters through generation is called _____

- a. Evolution
- b. Bio-technology
- c. **Heredity**
- d. Variation

18. The scientist worked out the first scientific experimental study of heredity.

- a. Ian Wilmut
- b. **Gregor Johann Mendel**
- c. Charles Darwin
- d. Jean Baptiste de Lamarck

19. Mendel observed variations in the characteristics of _____ plant

- a. 4 'O' clock
- b. sweet potato
- c. **garden pea**
- d. sun flower

20. The monohybrid cross ratio is _____

- a. 9:3:3:1
- b. 2:1
- c. **3:1**
- d. 12:3:1

21. When a genetical character is expressed as the morphological expression, it is called _____

- a. genotype
- b. allele
- c. allelomorph
- d. **phenotype**

22. The genetic constitution of an individual for a particular trait is called _____

- a. phenotype
- b. **genotype**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. alleles

d. allelomorph

23. The contrasting pair of alleles make up an _____

a. genotype

b. phenotype

c. **allelomorph**

d. genes

24. Variations that pertain to the body cells and are not inherited are _____ variation.

a. germinal

b. **somatic**

c. intra specific

d. inter specific

25. The evolutionist made a number of observations and constituted the 'struggle for existence and survival of the fittest'.

a. **Charles Darwin**

b. Jean Baptiste de Lamarck

c. Mendel

d. Huxley

26. 'Use and Disuse Theory' was postulated by _____

a. **Jean Baptise de Lamarck**

b. Charles Darwin

c. Gregor Johann Mendel

d. August Weissmann

27. The first human like being creature is called _____

a. **Hominids**

b. Rana tigrina

c. Homosapiens

d. Gorilla

28. Gene manipulation is otherwise called as _____

a. **r-DNA technology**

b. genetic map

c. gene flow

d. genetic drift

29. _____ are the anti-viral proteins produced by virus infected cells.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. Growth hormones

b. Hyaline

c. **Interferon**

d. Polypeptides

30. _____ enzymes are called as molecular scissors.

a. RNA Polymerase

b. **Restriction endonuclease**

c. DNA ligase

d. DNA polymerase

31. Which enzyme join the broken DNA fragments?

a. **DNA ligase**

b. DNA synthetase

c. DNA polymerase

d. RNA polymerase

32. Who coined the term vaccine?

a. Louis Pasteur

b. **Edward Jenner**

c. Aristotle

d. Mendel

33. _____ is used in the production of vinegar.

a. **Acetic acid**

b. Nitric acid

c. Sulphuric acid

d. Carboxylic acid

34. Steroid drugs like prednisolone is produced by from the fungus _____

a. Penicillium

b. **Rhizopus**

c. Agaricus

d. Saccharomyces

35. The _____ cells of pancreas produce insulin.

a. alpha

b. **beta**

c. gamma

d. delta

36. Fertilization made artificially in the laboratory is called _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- a. heredity b. variation
- c. **evolution** d. speciation

44. Alternate expression of same genes are called _____

- a. genes b. **alleles**
- c. allelomorphs d. polymorphs

45. The contrasting pairs of alleles make up an _____

- a. genes b. alleles
- c. **allelomorphs** d. polymorphs

46. The word _____ refer only to living species.

- a. gene b. allele
- c. embryo d. **clone**

47. _____ are a type of derived lipids.

- a. Vaccines b. Vitamins
- c. Hormones d. **Steroids**

48. _____ are employed to kill the infectious germs and cure a disease.

- a. **Antibiotics** b. Vaccines
- c. Vitamins d. Hormones

49. The _____ man who lived in East and Central Asia 1 million years ago.

- a. hominids b. homoerectus
- c. **Neanderthal** d. homosapiens

II. Match the following

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1.

- | | |
|--------------|---|
| 1. Heredity | a. Expression of morphological characters |
| 2. Variation | b. Inheritance of characters |
| 3. Phenotype | c. Differences in the characters |
| 4. Genotype | d. Expression |

Ans: 1-b,2-c,3-a,4-d

2.

- | | |
|---------------------|-----------------|
| 1. Waste treatment | a. Butyric acid |
| 2. Medical products | b. Ethanol |
| 3. Organic acid | c. Toxic wastes |
| 4. Metabolite | d. Vaccines |

Ans:1-c,2-d,3-a,4-b

3.

- | | | |
|------------------------|-----------------|-----------------------------|
| 1. Hominids | a. East Africa | i. 1 million years ago |
| 2. Homoerectus | b. Central Asia | ii. 75,000-10,000 years ago |
| 3. Neanderthal | c. South Africa | iii. 3-4 million years ago |
| 4. Archaic Homosapiens | d. Africa | iv. 1.5 million years ago |

Ans: 1-d (iii), 2-a(iv),3-b(i),4-c(ii)

4.

- | | |
|-------------------------|--------------|
| 1. Gregor Johann Mendel | a. 1809-1882 |
| 2. Charles Darwin | b. 1749-1823 |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

3. Jean Baptise Lamarck c. 1822-1884
4. Edward Jenner d. 1744-1829

Ans: 1-c,2-a,3-d,4-b

5.

1. Pod shape a. Violet/white
2. Pod colour b. Full/constricted
3. Seed shape c. Green/ yellow
4. Flower colour d. Round/ wrinkled

Ans: 1-b,2-c,3-d,4-a

6.

1. Gregor Johann Mendel a. Use and disuse theory
2. Jean Baptise Lamarck b. Law of natural selection
3. Charles Darwin c. Law of inheritance

Ans: 1-c,2-a,3-b

7.

1. Brewing industry a. produced by cloned cells
2. Antibiotics b. type of derived lipids
3. Steroids c. substances produced by some microbes
4. Monoclonal antibodies d. Fermentation in alcoholic beverages

Ans: 1-d,2-c,3-b,4-a

III. Fill in the blanks

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1. The differences in the characteristics among the individuals of the same species _____ reproduction produces, very closely resembling off springs.

Ans: asexual

2. Germinal variation pertains to gametes and it is _____

Ans: inheritable

3. Genetic engineering is the modification of the genetic information. The transfer of genes involved in nitrogen fixation is _____

Ans: NIF genes

4. The human evolution, prehistoric caves were developed _____ years ago, agriculture came around _____ years back.

Ans: 18000, 10000

5. In monohybrid cross, the pea plants produce seeds by _____

Ans: self pollination

6. The first experiment of Mendel considering the inheritance of a single trait. Height of the plant Tall/ dwarf is called _____ cross.

Ans: monohybrid

7. Molecular scissors enzyme _____ is used as the tools of genetic engineering.

Ans: Restriction endonucleases

8. Paste enzyme _____ is used as the tools of genetic engineering.

Ans: DNA ligase

9. Biotechnology synthesised _____ is used to cure pernicious anaemia.

Ans: Vitamin B12

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

10. Biotechnology produced _____ used to treat diabetes.

Ans: insulin

2. Immune system

I. Choose the correct answer

1. Pick out a case of healthy state of an individual.

a. Mr. X is recovering from an infectious disease.

b. Mr. Y takes insulin injection everyday

c. Mrs. Z is very depressed.

d. Mr. K does his duty and spends time joyfully.

2. Which one of the following is not socially balanced?

a. He enjoys a birthday party

b. He behaves rudely over trivial matters

c. He adjusts well to the surrounding situation

d. He attends to his ailing mother at the hospital.

3. _____ is a bacterial disease.

a. Meningitis

b. Rabies

c. Tetanus

d. Small pox

4. One of the following is transmitted through air. Find it out.

a. Tuberculosis

b. Meningitis

c. Typhoid

d. Cholera

5. The most serious form of malaria is caused by Plasmodium_____

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

d. 90-120 mg/100 ml of blood

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

12. The excess glucose in blood is converted into insoluble _____ and stored in _____

- a. glycogen, liver and pancreas
- b. glycogen, liver and muscles**
- c. glycogen, pancreas and intestine
- d. glycogen, brain and muscles

13. This is one of the symptom of diabetes mellitus _____

- a. expulsion of used glucose in the urine
- b. expulsion of unused glucose in the urine
- c. expulsion of excess unused glucose in the urine**
- d. expulsion of excess fat in the urine

14. The clinical symptom of albinism are _____

- a. milky white coloured skin and photophobia**
- b. hydrophobia
- c. milky coloured hair and skin
- d. all the above

15. When a child has an enlarged belly with swelling in the face and feet, it is _____

- a. Kwashiorkor**
- b. Night blindness
- c. Scurvy
- d. Marasmus

16. Encephalitis is otherwise called _____

- a. Brain fever**
- b. jaundice
- c. malaria
- d. tetanus

17. These are fungal diseases caused in man _____

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

d. Haemotoxylin

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

24. _____ was awarded the Nobel prize for his work on malaria in the year 1902.

- a. Joseph lister
- b. **Sir. Ronald Ross**
- c. Louis Pasteur
- d. Edward Jenner

25. The protozoan, parasite cause amoebiasis in man_____

- a. **Entamoeba histolytica**
- b. Amoeba proteus
- c. Plasmodium vivax
- d. Plasmodium falciparum

26. The proteinaceous substance produced by our body to detoxify the antigens are _____

- a. **antibodies**
- b. detoxifier
- c. antigenic response
- d. Plasmodium falciparum

27. TT means_____

- a. **Tetanus Toxoid**
- b. Tetanus Toxin
- c. Tuberculosis Vaccine
- d. Diphtheria Vaccine

28. _____ helps a person recovering from fracture or neurological problem.

- a. **Yoga and physiotherapy**
- b. Yoga only
- c. Physiotherapy only
- d. None of the above

29. _____ is a dreadful disease transmitted through sexual contact or blood and blood products.

- a. **AIDS**
- b. Meningitis
- c. Encephalitis
- d. HIV

30. _____ causes AIDS.

- a. **Human Immuno Deficiency Virus**
- b. Human Immune Default Virus

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- c. Human Immune Defective Virus d. Human Immunizing Deficiency Virus

31. ELISA means_____

a. **Enzyme Linked Immuno Sorbent Assay**

b. Enzyme Linked Immuno Sorbent Antigen

c. Enzyme Lowered Immuno Sorbent Assay

d. Enzyme Linked Immuno Specific Assay

32. The sporozoites of the malarial parasite are stored in the salivary glands of_____

a. man

b. **mosquito**

c. helminthic worm

d. housefly

33. Pick out the viral disease_____

a. tuberculosis

b. **influenza**

c. typhoid

d. tetanus

34. One of the following is caused due to metabolic disorders_____

a. **alzheimer's disease**

b. albinism

c. haemophilia

d. bubble boy syndrome

35. One of the following is the symptoms of haemorrhage_____

a. **profuse loss of blood**

b. nervous disorder

c. night blindness

d. diarrhoea

36. The condition of mal functioning of the organ system or systems is called_____

a. malnutrition

b. **disease**

c. under nutrition

d. obesity

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

37. The word disease means _____

- a. without pathogens
- b. without case
- c. **without ease**
- d. without food

38. _____ is an organic disease.

- a. **Diabetes mellitus**
- b. Scurvy
- c. Rickets
- d. Sterility

39. Stroke affecting the functions of _____

- a. eyes
- b. nose
- c. head
- d. **brain**

40. Photophobia refers to _____

- a. high sensitivity to colour
- b. **high sensitivity to light**
- c. lack of blood
- d. lack of vision

41. _____ and _____ are the genetical diseases.

- a. Marasmus and kwashiorkor
- b. Nyctalopia and beri-beri
- c. **Thalassemia and down's syndrome**
- d. Pellagra and haemorrhage

42. Germ Theory of diseases was established by _____

- a. Louis Pasteur and Edward Jenner
- b. **Robert Koch and Louis Pasteus**
- c. Robert Koch and Charles Darwin
- d. Charles Darwin and Alexander Fleming

43. Viruses are _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- a. **parasitic**
- b. saprophytic
- c. holophytic
- d. holozoic

44. An example of bacterial disease is _____

- a. polio
- b. rabies
- c. **pneumonia**
- d. hepatitis

45. Pick out the bacterial diseases.

- a. Diabetes mellitus; renal failure; Alzheimer's disease
- b. Haemophilia; sickle cell anaemia; thalassemia
- c. Polio; rabies; hepatitis;
- d. **Tuberculosis; leprosy; typhoid**

46. _____ attacking the keratinized layer of skin

- a. Dandruff
- b. Athletes' foot
- c. **Rigwom**
- d. Hookworm

47. Which is the protozoan disease?

- a. common cold
- b. Tuberculosis
- c. Influenza
- d. **Sleeping sickness**

48. Taeniasis is caused by _____

- a. **tape worm**
- b. hookworm
- c. liver fluke
- d. round worm

49. Filarial worm causes _____ disease in man.

- a. taeniasis
- b. **filariasis**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. ascariasis

d. elephantiasis

50. More than hundred strains of viruses are responsible for causing_____

a. **common cold**

b. fever

c. constipation

d. ulcer

51. Children are more susceptible to _____ than adults.

a. ringworm

b. dandruff

c. **common cold**

d. influenza

52. H_1N_1 virus is _____ in shape and causing influenza.

a. rod

b. **spherical**

c. cocci

d. spirillum

53. Persistent cough is a symptom of _____

a. influenza

b. **tuberculosis**

c. typhoid

d. malaria

54. Mycobacterium tuberculosis causes_____

a. **tuberculosis**

b. typhoid

c. malaria

d. AIDS

55. Salmonella typhi causes_____

a. tuberculosis

b. **typhoid**

c. malaria

d. AIDS

56. The viral disease is_____

a. **Rabies**

b. Cholera

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. malaria

d. Typhoid

57. Pick out a non-antigen_____

a. Germ

b. Toxins of germs

c. New forms of protein

d. **Mother's milk**

II. Match the following.

1.

1. Leprosy

a. Fungs

2. Taeniasis

b. Protozoans

3. Amoebic dysentery

c. Parasites

4. Athlete's foot

d. Bacteria

Ans: 1-d,2-c,3-b,4-a

2.

1. Bubble boy syndrome

a. Caused by parasite organisms

2. Renal failure

b. Genetical disorder

3. Marasmus

c. Metabolic disorders

4. Polio

d. Nutritional deficiency

Ans: 1-b,2-c,3-d,4-a

3.

1. Haemorrhage

a. Bleeding of gums

2. Pernicious anaemia

b. Inability to reproduce

3. Sterility

c. Destruction of RBC

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1. HIV causes profound immune suppression in humans. It is due to the depletion of one type of WBC which is involved in the formation of antibodies called _____

Ans: CD_4 plus T-helper cells

2. Less production of insulin leads to _____

Ans: diabetes mellitus

3. Insulin hormone secreted by _____

Ans: beta cells of islets of langerhans of pancreas

4. Albinism is an inherited disorder of melanin metabolism. _____ genes cause this disorder.

Ans: The recessive mutant

5. Causative agent of Typhoid is _____

Ans: salmonella typhi

6. Mode of transmission of Typhoid is _____

Ans: contaminated food and water

7. When a person recovers from the effect of fracture or neurotic problem which of the following treatments without involving medicines offer a great help to bring them back to do normal activities _____

Ans: yoga and physiotherapy

3. Structure and Functions of Human body organ system

I. Choose the correct answer

1. Unipolar neurons are found in the _____

a. Brain

b. Spinal Cord

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- c. **Embryonic nervous tissue** d. Adult nervous tissue
2. The sensory organs contain_____
- a. Unipolar neuron **b. Bipolar neuron**
- c. Multipolar neuron d. Medullated neuron
3. The part of brain which controls emotional reactions in our body is _____
- a. Cerebellum b. Cerebrum
- c. Thalamus **d. Hypothalamus**
4. One of the following is a part of the brain stem. Pick it out.
- a. Forebrain and midbrain b. Midbrain and hindbrain
- c. Forebrain and hindbrain **d. Forebrain and spinal cord**
5. Spinal nerves are _____
- a. sensory nerves b. motor nerves
- c. **mixed nerves** d. innervating the brain
6. An endocrine gland found in the neck is _____
- a. adrenal gland b. pituitary gland
- c. **thyroid gland** d. pancreas
7. An endocrine gland which is both exocrine and endocrine is the _____
- a. pancreas b. pituitary
- c. **thyroid** d. adrenal
8. Normal blood glucose level in 1 dl of blood is _____
- a. 80-100 mg/dl **b. 80-120 mg/dl**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. 80-150 mg/dl

d. 70-120 mg/dl

9. The “T” lymphocytes are differentiated to resist infection in the _____

a. parathyroid gland

b. lymph gland

c. **thymus gland**

d. adrenal gland

10. In Meiosis-I, the pairing of homologous chromosomes take place during _____ stage.

a. leptotene

b. **zygotene**

c. pachytene

d. **diplotene**

11. The two systems of the human body which help in the control and co-ordination of metabolic activities are _____

a. digestive and circulatory

b. respiratory and circulatory

c. excretory of Cyton

d. **nervous and endocrine**

12. Neurotransmitters are released at the synapse by _____

a. Tips of Dendrites

b. **Synaptic Knobs**

c. Organelles of Cyton

d. Myelin sheath of Axon

13. The endocrine gland related to the immune system is _____

a. Thyroid

b. **Thymus**

c. Adrenal

d. Pineal

14. The hormone administered by doctors to a pregnant woman to help in childbirth during the time of natural delivery is _____

a. Oestrogen

b. Progesterone

c. Insulin

d. **Relaxin**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

15. The important event of meiosis is the crossing over. It occurs during_____

- a. Leptotene
- b. **Pachytene**
- c. Diplotene
- d. Zygotene

16. Reduction division is the process by which gametes are produced. The cells in which reduction division take place are_____

- a. germinal epithelial cells
- b. the sensory epithelial cells
- c. **cuboidal epithelial cells**
- d. columnar epithelial cells

17. In Amoeba, the cell division takes place _____

- a. involving changes in the chromatin reticulum
- b. **leading involving changes in the chromatin reticulum**
- c. leading to reduction in the number of chromosomes
- d. without dividing the nucleus

18. Pick out the item which has sequential arrangement.

- a. zygotene → *Leptotene* → *Pachytene* → *diplotene* → *Diakinesis*
- b. Diakinesis → *zygotene* → *Leptotene* → *Pachytene* → *Diplotene*
- c. **Leptotene → zygotene → Pachytene → Diplotene → Diakinesis**

19. Polio is a viral disease and the affected child suffers from physical disability of limbs. Which system of the body is mostly affected due to this infection?

- a. **Nervous system**
- b. Digesrive system
- c. Respiratory system
- d. excretory system

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

20. Blinking when a beam of light is suddenly focussed on the eyes and sudden withdrawal of hand upon touching a hot body are some of the examples of reflex actions. Which part of the central nervous system acts as the centre these actions?

- a. Forebrain
- b. **Spinal cord**
- c. Hindbrain
- d. Synapse

21. The following are the parts of a neuron:

- i. Axon
- ii. Terminal branches
- iii. Cyton
- iv. Dendrites

The correct pathway of a nerve impulse through these parts are _____

- a. (ii)(i)(iv)(iii)
- b. **(iv)(iii)(i)(ii)**
- c. (ii)(iv)(i)(iii)
- d. (i)(iv)(ii)(iii)

22. For minor surgeries in the body, doctors administer local anaesthesia to a part of the body so that the pain will not be felt by the patient. At which part, do you think, the nerve impulse is being arrested due to the effect of anaesthesia?

- a. at cyton
- b. at axon
- c. **at synapse**
- d. in the middle of axon

23. Which are the two systems do the function of co-ordination _____

- a. Digestive system and endocrine system
- b. Endocrine system and respiratory system
- c. **Nervous system and endocrine system**
- d. Sensory organs only

24. These are the functional and structural units of the nervous system _____

- a. **Neurons**
- b. Myelin sheath

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Brain

d. Nephrons

25. _____ in a nerve cell contain Nissl's granules.

a. Axon

b. **Cyton**

c. Axon and Cyton

d. Nucleus

26. _____ neurons forms the cerebral cortex of our brain.

a. **Myelinated neurons**

b. Non myelinated neurons

c. Neurilemma

d. Schwann cells

27. The junction between two nerve cells is _____

a. **Synapse**

b. Cell body

c. Axon

d. Myelin fibres

28. _____ forms the central nervous system.

a. Nerves only

b. **Brain and spinal cord**

c. Spinal cord and nerves

d. Sympathetic and parasympathetic nerves

29. The sheet nervous tissue which unites the two cerebral halves is _____

a. **corpus callosum**

b. corpus luteum

c. corpus albicans

d. hypothalamus

30. _____ regulates and co-ordinates the voluntary muscles as in running or walking.

a. Pons

b. Cerebrum

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. **Cerebellum**

d. Medulla

31. CSF means_____

a. **Cerebro spinal fluid**

b. Central spinal fluid

c. Cortex spinal fluid

d. None of the above

32. _____ pairs of cranial nerves arise from the brain.

a. Ten

b. Seven

c. Six

d. Twelve

33. _____ pairs of spinal nerves arise from the spinal cord.

a. Sixteen

b. Twelve

c. Ten

d. Thirty one

34. _____ are ductless glands.

a. Sensory glands

b. Endocrine glands

c. Salivary glands

d. Exocrine glands

35. This endocrine gland is found in the thorax region_____

a. Pineal gland

b. Ovary

c. **Thymus gland**

d. Pancreas

36. The chemical substances secreted by endocrine glands are _____

a. Auxin

b. Hormones

c. dilute HCl

d. Antibodies

37. The gonads in woman are _____

a. sperm

b. testes

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. egg

d. ovaries

38. Excess production of growth hormone in adolescents causes_____

a. Myxoedema

b. Acromegaly

c. Dwarfism

d. Goitre

39. Thyroid gland produces a hormone called_____

a. **Thyroxine**

b. tyrosine

c. Trypsin

d. Oxytocin

40. Thyroxine is an _____ protein.

a. enzymatic

b. **iodinated**

c. non-iodinated

d. simple

41. Less secretion of thyroxine cause_____ in children.

a. Myxoedema

b. Goitre

c. **Cretinism**

d. Acromegaly

42. _____ gland plays a dual role as an exocrine and an endocrine gland.

a. Thyroid

b. **Pancreas**

c. Adrenal

d. Pituitary

43. Less production of _____ causes Diabetes mellitus.

a. Glucagon

b. Thyroxine

c. Adrenaline

d. **Insulin**

44. The exocrine parts of pancreas produce_____

a. glycogen

b. glucagon

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. **pancreatic juice**

d. insulin

45. Alpha cells of islets of Langerhans of pancreas produces_____

a. insulin

b. insulin and amylin

c. **glucagon**

d. amylin alone

46. _____ hormone is secreted when the glucose level is low in the blood.

a. Insulin

b. Glycogen

c. **Glucagon**

d. Both insulin and glucagon

47. This hormone maintains minerals metabolism in our body_____

a. **Aldosterone**

b. Cortisone

c. Adrenaline

d. Nor epinephrine

48. The appearance of secondary sexual characters like growth of public hairs, feminine body etc is due to the hormone called _____

a. Androgen

b. Testosterone

c. **Oestrogen**

d. Progesterone

49. This hormone in female maintains pregnancy and regulates menstrual cycle_____

a. Relaxin

b. Androgen

c. Oestrogen

d. Progesterone

50. Parathormone and calcitonin are the hormones secreted by _____

a. thyroid gland

b. adrenal gland

c. **parathyroid gland**

d. pancreas

51. Binary fission is an asexual reproduction found in _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. Higher plants

b. Higher animals

c. Man

d. **Amoeba**

52. _____ stimulates the secretion 'T' Lymphocytes to resist infection.

a. **Thymosin**

b. Adenosine

c. Adrenaline

d. Non-adrenaline

53. Mitotic cell division takes place in these cells of plants and animals _____

a. **somatic cells**

b. sex cells

c. epithelial cells

d. all the above

54. The paired chromosomes are called _____

a. Trivalents

b. **Bivalents**

c. Synaptic pairs

d. Similar chromosomes

55. Terminilization takes place in this stage of meiosis I _____

a. Pachytene

b. Zygotene

c. Diplotene

d. **Diakinesis**

56. The division of cytoplasm is called as _____

a. Karyokinesis

b. Karyotyping

c. **Cytokinesis**

d. None of these

57. At the end of meiotic cell division, _____ cells are produced.

a. Diploid sex cells

b. Zygote

c. **haploid sex cells**

d. Callus

58. The inheritance of characteristics through generations is called _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. evolution

b. embryogenesis

c. **heredity**

d. physiology

59. Meiosis-II is similar to _____

a. amitosis

b. **mitosis**

c. meiosis-I

d. meiosis-II

60. Insulin favours conversion of _____ into glycogen.

a. **glucose**

b. starch

c. galactose

d. maltose

61. Which produces an anti-inflammatory reaction?

a. Glucagon

b. Thyroxine

c. **Cortisone**

d. Ovaries

62. _____ relays the information from the cerebrum to cerebellum.

a. Thalamus

b. Mid brain

c. Medulla oblongata

d. **Pons**

II. Match the following.

1.

1. Thyrotrophic hormones

a. To produce the eggs and sperm

2. Adrenocorticotrophic hormone

b. To produce the hormone cortisone

3. Follicle stimulating hormone

c. Milk production after child birth

4. Lactogenic Hormone

d. Growth of thyroid gland

Ans: 1-d, 2-b, 3-a, 4-c

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

2.

- | | |
|--------------------|------------------------|
| 1. Pituitary gland | a. Personality Hormone |
| 2. Thyroid gland | b. Cytogenic |
| 3. Adrenalin | c. Endocrine Orchestra |
| 4. Testes | d. Emergency hormone |

Ans: 1-c,2-a,3-d,4-b

3.

- | | |
|--------------------|--------------|
| 1. Pineal gland | a. Thyroxin |
| 2. Thymus gland | b. Oxytocin |
| 3. Neurohypophysis | c. Melatonin |
| 4. Thyroid gland | d. Thymosin |

Ans: 1-c,2-d,3-b,4-a

4.

- | | |
|----------------|------------------------------|
| 1. Amitosis | a. Body cells |
| 2. Mitosis | b. Unicellular animal cells |
| 3. Meiosis | c. Germinal epithelial cells |
| 4. Conjugation | d. Bacterium |

Ans: 1-b,2-a,3-c,4-d

5.

- | | |
|-------------|-----------|
| 1. thymus | a. Head |
| 2. Pancreas | b. Thorax |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

3. Pineal c. Neck
4. Thyroid d. Abdomen

Ans:1-b,2-d,3-a,4-c

6.

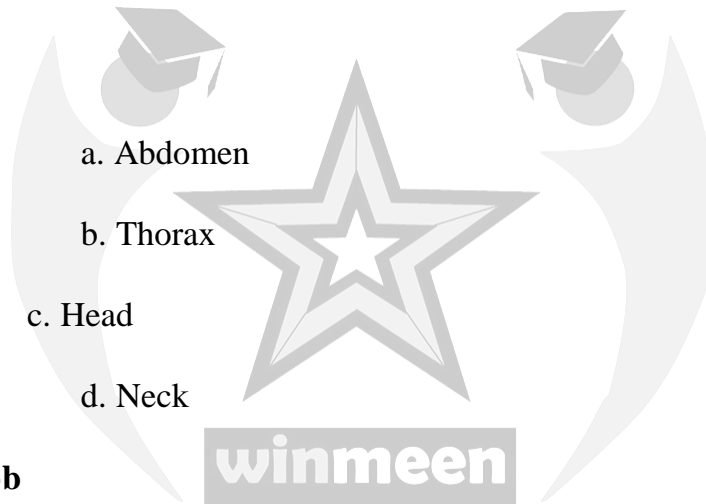
1. Dwarfism a. Excess production in adolescents
2. Gigantism b. Less production in children
3. Acromegaly c. Excess production in children

Ans:1-b,2-c,3-a

7.

1. Thyroid gland a. Abdomen
2. Pituitary gland b. Thorax
3. Pancreas c. Head
4. Thymus gland d. Neck

Ans:1-d,2-c,3-a,4-b



III. Fill in the blanks.

1. The dendrites transmit electrical impulses towards the _____

Ans:cyton

2. _____ convert electrical impulse into chemical impulse and pass it to the neighbouring neuron.

Ans: neuro transmitters

3. A major conducting centre for sensory and motor signalling.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans: thalamus

4. Two antagonistic divisions of autonomic nervous system.

Ans: sympathetic nerves and parasympathetic nerves

4. Reproduction in plants

I. Choose the correct answer.

1. The method of reproduction in unicellular organisms like amoeba and bacteria in which they split into two equal halves and produce new ones is called_____

a. fragmentation

b. **binary fission**

c. budding

d. spore formation

2. In sexual reproduction of flowering plants, the first event involved in this is _____

a. fertilization

b. germination

c. regeneration

d. **pollination**

3. Which of the following statement is true?

a. Thin-walled non-mobile spores are called zoospores.

b. A motile asexual spore produced by some algae, bacteria and fungi are Akinetes.

c. **Uninucleate, non-motile, asexual spores produced by fungi are called conidia.**

d. Thick-walled vegetative cells produced by algae during adverse conditions are called aplanospores.

4. The fertilized ovary is a fruit. The fruit that develops from a single flower with multicarpellary, apocarpous superior ovary is_____

a. **Aggregate fruit**

b. Composite fruit

c. Simple fruit

d. Multiple fruit

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

5. If a water soaked seed is pressed, a small drop of water comes out through the _____

- a. stomata
- b. lenticels
- c. **micropyle**
- d. radical

6. The mango fruit is called a stone fruit because it has _____

- a. skinny epicarp
- b. stony mesocarp
- c. fleshy endocarp
- d. **hard endocarp**

7. Pick out the wrong statement.

- a. In a dicot seed there is a short longitudinal whitish ridge called the raphae.
- b. The minute opening in a dicot seed is known as micropyle.
- c. **The rudimentary stem portion is known as radical.**
- d. The rudimentary root portion is called radical.

8. Consider the following statements regarding the dispersal of fruits and seed by wind and select the correct answer.

- a. Fruits and seeds are dispersed with a sudden jerk by an explosive mechanism.
- b. **The fruits of tridax carry a persistent calyx modified into pappus.**
- c. The fruits of xanthium have sharp pointed stiff hooks
- d. The mesocarp of coconut is fibrous.

9. The product of triple fusion which acts as nutritive tissue for the development of an embryo is _____

- a. zygote
- b. placenta
- c. scutellum
- d. **endosperm**

10. The disadvantage of self-pollination is _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. There is no wastage of pollen grains

b. The seeds are less in number

c. Self-pollination is sure in bisexual flowers

d. flowers need not depend on agents of pollination

11. The flower is important to a plant because it helps in_____

a. attracting

b. production of nectar

c. pollination

d. sexual reproduction

12. The essential organs of the flower are_____

a. Calyx and Corolla

b. Androecium and Gynoecium

c. Calyx and Androecium

d. Corolla and Gynoecium

13. Cross pollination is important for producing_____

a. new varieties of plants

b. plants with better growth

c. disease resistant plant

d. all of the above

14. Anemophily occurs in_____

a. Vallisneria

b. Grass

c. Coconut

d. Datura

15. Which of the following structure/ arrangement favours entamophily?

a. Pollen grains with wings and feathery stigma

b. Colourful petals and nectar secretion

c. A bunch of flowers with less pollen

d. Pollen grains with mucous covering

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

16. Post-fertilization, the changes into a/an_____

- a. **seed**
- b. fruit
- c. endosperm
- d. pericarp

17. Which of the following is correctly matched?

- a. False fruit-mango
- b. Multiple fruit-apple
- c. **Aggregate fruit-polyalthia**
- d. Caryopsis-banana

18. Identify the mismatched pair.

- a. Legume-Dry dehiscent fruit
- b. Cypsela- Dry indehiscent fruit
- c. Pome- Fleshy fruit
- d. **Regma- Resembles legume**

19. Conversion of milk into curd takes place by _____

- a. **Lactobacillus**
- b. Acetobacter
- c. Streptococcus
- d. Staphylococcus

20.. These algae undergoes fragmentation and each fragment grows into a new individual_____

- a. Diatoms
- b. **Spirogyra**
- c. Moss
- d. Funaria

21. Hydra reproduce by_____

- a. Binary fusion
- b. Fragmentation
- c. Stem cutting
- d. **Budding**

22. _____ is the male part of a flower.

- a. Ovary
- b. Stigma

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. **Androecium**

d. Carpels

23. Gynoecium has three parts namely _____

a. stigma, pollen and ovary

b. **stigma, style and ovary**

c. anther, filament and pollen

d. filament, stamen and stigma

24. Self pollination is also known as _____

a. **autogamy**

b. autochory

c. allogamy

d. allograft

25. There is no wastage of pollen grain when _____ takes place.

a. **self pollination**

b. cross pollination

c. self and cross pollination

d. none of the above

26. Pollination by birds is called _____

a. Chiropterophily

b. Zoophily

c. **Ornithophily**

d. Anemophily

27. In grass and pine, pollination takes place by _____

a. water

b. birds

c. **wind**

d. bat

28. The fertilized egg is known as _____

a. **zygote**

b. embryo

c. seed

d. fruit

29. The secondary nucleus is _____ in nature

a. haploid

b. **diploid**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. triploid

d. neither haploid nor diploid

30. The fruit wall is called_____

a. epicarp

b. mesocarp

c. endocarp

d. **pericarp**

31. Seedless grapes develop_____

a. with the help of gametes

b. **without the act of fertilization**

c. after fertilization

d. from the endosperm

32. Dry indehiscent fruits _____ open at maturity and the seeds are liberated by the decay of pericarp.

a. split

b. **do not split**

c. sometimes split

d. mericarp

33. In _____ the aggregate fruit has a cluster of fruitlets attached to a common stalk.

a. Annona squamosa

b. Paddy

c. **Polyalthia**

d. Coconut

34. _____ is a simple fleshy fruit which develops from multicarpellary, superior ovary with axile placentation.

a. Tomato

b. **Orange**

c. Apple

d. Mango

35. In _____, the thalamus becomes fleshy and develops into an edible fruit.

a. **apple**

b. orange

c. cucumber

d. mango

36. Paddy is an example of simple indehiscent _____ fruit known as _____

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

d. Zoochory

www.winmeen.com | Learning Leads to Ruling

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

4.

- | | |
|--------------------|----------------|
| 1. Binary fission | a. Bryophyllum |
| 2. Fragmentation | b. Bacteria |
| 3. Budding | c. Penicillium |
| 4. Spore Formation | d. Spirogyra |

Ans: 1-b,2-d,3-a,4-c

5.

- | | |
|----------------------|------------------|
| 1. Multiple fruit | a. custard apple |
| 2. Aggregate fruit | b. allogamy |
| 3. Self pollination | c. autogamy |
| 4. Cross pollination | d. jack fruit |

Ans:1-d,2-a,3-c,4-b

6.

- | | |
|---------------|------------|
| 1. Calyx | a. Stamens |
| 2. Androecium | b. Carpels |
| 3. Corolla | c. Sepals |
| 4. Gynoecium | d. Petals |

Ans: 1-c,2-a,3-d,4-b

7.

- | | |
|---------------|----------|
| 1. Zoophily | a. Birds |
| 2. Hydrophily | b. Air |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- | | |
|-----------------|------------|
| 3. Anemophily | c. Insects |
| 4. Ornithophily | d. Animals |
| 5. entamophily | e. Water |

Ans:1-d,2-e,3-b,4-a,5-c

8.

- | | |
|------------------------|------------------|
| 1. Legume | a. Cotton |
| 2. Follicle | b. Beans |
| 3. Septicidal capsule | c. Lady's finger |
| 4. Loculicidal capsule | d. Calotropis |

Ans:1-b,2-d,3-a,4-c

9.

- | | |
|--------------|--------------|
| 1. Achene | a. Cashewnut |
| 2. Caryopsis | b. Tridax |
| 3. Cypsela | c. Paddy |
| 4. Nut | d. Mirabilis |

Ans: 1-d,2-c,3-b,4-a

10.

- | | |
|---------------|-------------------------|
| 1. autochory | a. Wind dispersal |
| 2. Anemochory | b. Dispersal by water |
| 3. Hydrochory | c. Dispersal by animals |
| 4. Zoochory | d. Explosive mechanism |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans: 1-d,2-a,3-b,4-c

III. Fill in the blanks

1. _____ is a fertilized ovule.

Ans: Seed

2. Orange develops from multicarpellary, _____, ovary with _____ placentation.

Ans: superior, axile

3. In jack fruit, the edible part represents the _____, which is bag and seeded.

Ans: perianth, one

4. Roots formed from the lower nodes of the stem are called _____ roots.

Ans: adventitious roots

5. Each ovule carries an _____ within it, within lies the _____ cell, the female gametes.

Ans: embryo sac, egg

5. A Representative study of mammals

I. Choose the correct answer.

1. Select important characteristic features of mammals _____

- a. four-chambered heart
- b. fore-limbs and hind limbs
- c. milk-producing glands
- d. post anal tail

2. Carnivorous animals use these teeth to tear flesh _____

- a. incisors
- b. canines
- c. premolars
- d. molars

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

3. The Henle's loop of nephron is mainly responsible for reabsorption of water in the kidney. Which of the following has a long loop of Henle in its nephrons to conserve water?

- a. polar bear
- b. camel
- c. frog
- d. whale

4. Which blood cells of mammals are concerned with immunity?

- a. Young Erythrocytes
- b. Leucocytes
- c. Thrombocytes
- d. Matured Erythrocytes

5. You were given two unlabelled slides with blood smears of an amphibian and a mammal. You would differentiate the blood samples by observing the _____

- a. colour
- b. nature of RBC's
- c. nature of WBC's
- d. contents of plasma

6. For the digestion of cellulose, an enzyme called cellulase is required. Some mammals lodge cellulose producing bacteria in their digestive system by offering them food and shelter. These mammals are mostly _____

- a. Herbivores
- b. Carnivores
- c. Omnivores
- d. Sanguivores

7. Forelimbs of mammals have a common basic structure or pattern, but are different in their usage/ function in different animals. They can be called _____

- a. Homologous organs
- b. Analogous organs
- c. Vestigial organs
- d. Rudimentary organs

8. Sensitive whiskers are found in _____

- a. Bat
- b. Elephant

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Deer

d. Cat

9. The tusks of elephants are modified _____

Ans: incisors

10. Pick out an animal which has a four-chambered stomach_____

a. Elephant

b. Dolphin

c. **Deer**

d. Kangaroo

11. Normal body temperature of man is _____

a. **98.4-98.6⁰ F**

b. 96.6-96.8⁰ F

c. 94.4-98.6⁰F

d. 98.4-99.6⁰ F

12. Mitral valve is found between_____

a. Right auricle and right ventricle

b. Left auricle and left ventricle

c. right ventricle and pulmonary artery

d. Left ventricle and aorta

13. Assertion(A): Mammalian heart is called myogenic heart.

Reason®: Heartbeat is regulated by a specialized muscle bundle (pacemaker) in mammals.

a. **Both 'A' and 'R' are true and 'R' explains 'A'**

b. Both 'A' and 'R' are true but 'R' doesn't explain 'A'

c. 'A' is true but 'R' is false

d. 'A' is false but 'R' is true.

14. One of the following groups contains a non mammalian animal. Pick up the group.

a. dolphin, walrus, porcupine, rabbit, bat

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

b. elephant, pig, horse, donkey, monkey

c. antelope, deer, cow, buffalo, black buck

d. **dog, cat, crocodile, lion, tiger**

15. The epidermis of mammals contains _____

a. **hair, bristle, quills**

b. hair, nail, claw

c. hair, bristle, horn

d. hair, nail, scale

16. Animals like _____ have long, sharp, stiff hairs called quills to protect them from predators.

a. cat and dog

b. porcupine and Asian elephant

c. **porcupine and hedge hogs**

d. whales and dolphins

17. _____ are the only mammals capable of powered flight.

a. **Bats**

b. Birds

c. Kiwi

d. Penguin

18. _____ have developed abdominal pouches to bear the tender young ones.

a. **Marsupials**

b. Man

c. Polar bears

d. Camels

19. _____ RBC's cells are without nucleus.

a. **Mammalian**

b. Reptilian

c. Avian

d. None of these

20. _____ discovered the circulation of blood in man.

a. Louis Pasteur

b. William Harvey

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. **Alexander Fleming**

d. Anthon Von Leeuwenhoek

21. Heart is covered by a protective double walled sac called _____

a. Peritoneum

b. Pineal

c. **Pericardium**

d. Pleural membrane

22. Tricuspid valve is found in _____

a. **right auriculo ventricular aperture**

b. left auriculo ventricular aperture

c. pulmonary artery

d. aortic arch

23. _____ is known as the 'river of life'.

a. **Blood**

b. Lymph

c. Saliva

d. Mucus

24. These blood cells are concerned with blood clotting _____

a. erythrocytes

b. leucocytes

c. **thrombocytes**

d. thymocytes

25. _____ are the structural and functional units of the kidneys.

a. Neurons

b. **Nephrons**

c. Medulla

d. Cortex

26. A network of blood capillaries in the malpighian capsule of a nephron is _____

a. **glomerulus**

b. collecting tubule

c. Bowmann's capsule

d. Henle's loop

27. Social attachments between animals is called _____

a. finger printing

b. **imprinting**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. parental care

d. sexual imprinting

28. _____ grow sensitive bristles on their snouts.

a. Cats and bats

b. Whales and dolphins

c. Horse and donkey

d. Whales and sharks

29. The heart is made up of special types of muscles_____

a. striated muscle

b. smooth muscle

c. cardiac muscle

d. muscular sheath

30. _____ are the receiving chambers of blood.

a. Ventricles

b. Auricles

c. Arteries

d. Valves

31. _____ are thick walled lower chambered of the heart.

a. Pericardium

b. Arteries

c. Auricles

d. Ventricles

32. The closure of the valves of the heart produce sounds as_____

a. dub and dub

b. dub and lubb

c. lubb and dub

d. lubb and lubb

33. The liquid component of blood is _____

a. RBC

b. WBC

c. platelets

d. plasma

34. Master chemists of our body are kidneys. Justify.

a. kidneys acquire all chemicals taken in the body

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

b. maintain the chemical composition of blood

c.kidneys send out all chemicals taken in the body

d. kidneys store the various chemicals taken in the body

II. Match the following

1.

1. Blood platelets a. expired air

2. Kidneys b.sweat

3. Skin c. blood clotting

4. Lungs d. urine

Ans: 1-b,2-d,3-b,4-a

2.

1. Auricles a. right auriculo ventricular aperture

2. Ventricles b. thin walled

3. Bicuspid c. thick walled

4. Tricuspid d. left auriculo ventricular aperture

Ans: 1-b,2-c,3-d,4-a

3.

1. Whale a. Quills

2. Porcupine b. Whiskers

3. Elephant c. Bristles

4. Cats d. Tusk

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans:1-c,2-a,3-d,4-b

4.

- | | |
|-----------------------------|-----------------|
| 1. Network of capillaries | a. Medulla |
| 2. Outer part of the kidney | b. Bowman's cup |
| 3. Inner part of the kidney | c. glomerulus |
| 4. Double walled cup | d. Cortex |

Ans:1-c,2-d,3-a,4-b

5.

- | | |
|------------------------|---------------------------|
| 1. Bats | a. Heterodont dentition |
| 2. Carnivorous animals | b. Four chambered stomach |
| 3. Antelopes | c. Powered flight |
| 4. Kangaroo | d. Andominal pouch |

Ans: 1-c,2-a,3-b,4-b

5.

- | | |
|------------|-------------------------------------|
| 1. Skin | a. Nitrogenous waste products |
| 2. Lungs | b. Excess water and salt |
| 3. Kidneys | c. Carbon-di-oxide and water vapour |

Ans:1-b,2-c,3-a

7.

- | | |
|----------|-----------------------------|
| 1. Man | a. make holes in the ground |
| 2. Whale | b. to gallop |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

3. Bandicoot c. hold an object

4. Horse d. as oars to swim

Ans: 1-c,2-d,3-a,4-b

III. Fill in the blanks

1. The tearing teeth of carnivorous animals_____

Ans: canine

2. The tusks of an elephant are modified teeth of _____

Ans: in cisors

3. The heartbeat of a normal human is _____ times in a minute.

Ans: 72

4. _____ are the only mammals capable of powered flight.

Ans: Bat

5. Mitral valve is found between _____

Ans: left auricle and left ventricle

6. Mammals such as cows, buffaloes have_____

Ans: four chambered stomach

7. Milk producing glands are modified _____

Ans: sweat glands

8. In summer, we sweat more to conduct the heat out in the sweating process.

Ans: cooling up mechanism

9.. Nephrons are the functional unit of _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans: kidneys

10. The contraction phase of the muscles of the heart _____

Ans: systole

11. This distensible, muscular sacs called as 'store house of urine'.

Ans: urinary bladder

6. Life Processes

I. Choose the correct answer

1. In monotropa the special type of root which absorbs nourishment is the _____

a. Haustoria

b. Mycorrhizal root

c. Clinging root

d. Adventitious root

2. The product obtained in the Anaerobic respiration of yeast is _____

a. Lactic acid

b. Pyruvic acid

c. **Ethanol**

d. Acetic acid

3. The roots of a coconut tree are seen growing far from the plant. Such a kind of movement of root for want of water is _____

a. Phototropism

b. Geotropism

c. Chemotropism

d. Hydrotropism

4. The xylem in the plants is responsible for _____

a. transport of water

b. transport of food

c. transport of amino acids

d. transport of oxygen

5. The autotrophic nutrition requires _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. Chlorophyll

b. Leucoplast

c. Chromoplast

d. None of these

12. These cells in vertebrate animals are defensive in function_____

a. Leucocytes

b. Erythrocytes

c. Thrombocytes

d. None of the above

13. Enzymes are called as _____

a. bio-catalyst

b. catalyst

c. chemical substances

d. starch

14. Complete oxidation of a glucose molecule in aerobic respiration produces_____ ATP molecules.

a. 20

b. 21

c. 37

d. 38

15. _____ is the energy currency for the most cellular processes.

a. ADP

b. ATP

c. NADP

d. NADH_2

16. Amoeba, Hydra etc respire through their_____

a. gills

b. moist skin

c. body surface

d. lungs

17. Respiratory organ for a fish is _____

a. moist skin

b. scales

c. gills

d. fins

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

18.. The _____ structures surrounded by blood capillaries provide a surface for exchange of gases in human.

- a. bronchi
- b. bronchioles
- c. **alveoli**
- d. lungs

19.The _____ is the site for photosynthesis.

- a. root
- b. stem
- c. **leaf**
- d. flower

20. _____ conducts food from leaves to all parts of a plant.

- a. **Phloem**
- b. Xylem
- c.Tracheids
- d. Vessels

21. The loss of water from the aerial parts of the plant in the form of vapour is called _____

- a. Respiration
- b. **Transpiration**
- c. Nutrition
- d. Transportation

22. Translocation occurs in the part of vascular tissue called _____

- a. tracheids
- b. xylem
- c. **phloem**
- d. leaf

23. _____ is a colourless fluid, similar to plasma of blood, which helps in transportation.

- a. Blood
- b. Mucus
- c. **Lymph**
- d. Cerebro-spinal fluid

24. _____ excrete their wastes through contractile vacuoles.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- a. birds
- b. amphibians
- c. annelids
- d. **protozoans**

25. _____ is an artificial process used to remove nitrogenous waste products when the kidneys fail to function.

- a. **Dialysis**
- b. Dialyser
- c. ECG
- d. Glucometer

26. The special kidneys used to collect extra from the coelomic cavity of annelids are _____

- a. Nephrons
- b. Neurons
- c. **Nephridia**
- d. Collecting tube

27. The excretory products of birds are composed of _____

- a. **uric acid**
- b. dilute HCl
- c. urea
- d. ammonia

28. _____ is the main excretory product in mammals.

- a. Ammonia
- b. Urea
- c. **Uric acid**
- d. None of the above.

29. In mammals, _____ and _____ system help in co-ordination.

- a. digestive system and nervous
- b. nervous system and lymphatic
- c. **nervous system and endocrine**
- d. endocrine and muscular system

30. Response of the plant to the direction of light is _____

- a. Chemotropism
- b. Hydrotropism
- c. **Phototropism**
- d. Geotropism

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

31. When the pollen tubes towards the ovule, it shows _____ types of movement.

- a. phototropic
- b. chemotropic**
- c. geotropic
- d. hydrotropic

32. The chemical substances secreted by the endocrine glands are called _____

- a. Lymph
- b. Hormones**
- c. Cell sap
- d. Complex compounds

33. Response of the plant to the direction of gravity is _____

- a. Hydrotropism
- b. Chemotropism
- c. Phototropism
- d. Geotropism**

34. In xylem tissues the waste products are stored as _____

- a. resin**
- b. wax
- c. latex
- d. oil

35. _____ is a colourless fluid.

- a. Blood
- b. Lymph**
- c. Grape juice
- d. Olive oil

36. The transport of soluble products of photosynthesis is called _____

- a. Transpiration
- b. Transduction
- c. Translocation**
- d. Transformation

37. The nervous system consists of tissues which conducts _____

- a. water
- b. food
- c. blood
- d. messages**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

38. Transpiration occurs through_____

- a. micropyle
- b. stomata**
- c. root
- d. stem

39. The radical portion of an embryo grow towards_____

- a. light
- b. chemical
- c. gravity**
- d. water

40. The constituents of the phloem which act as a pipeline from leaves to the other parts of the plant are_____

- a. companion cells
- b. sieve tubes**
- c. tracheids
- d. vessels

41. $ADP + Pi \rightarrow$ _____

- a. ATP**
- b. ADPPi
- c. ADPi
- d. ADP

42. Cytopharynx, a cytoplasmic depression to swallow food is seen in _____

- a. Amoeba
- b. Paramoecium**
- c. Hydra
- d. Spinges

43. An advance form of digestion is seen in_____

- a. fish
- b. frog
- c. birds
- d. man**

44. Complex food swallowed is broken down into simpler food molecules by the action of enzymes in the _____

- a. hormones
- b. catalyst

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. **digestive juice**

d. chemicals

45. The translocation by phloem is achieved by _____

a. **energy**

b. chemicals

c. hormones

d. food

46. _____ is transferred into phloem tissue using energy from ATP.

a. amino acids

b. lipid

c. **sucrose**

d. fructose

47. Lymph carries _____

a. CO_2

b. O_2

c. **digested and absorbed fat**

d. fat

48. Which is the nearest and richest source of water for plants?

a. **soil**

b. chlorophyll

c. oxygen

d. CO_2

49. _____ takes place in the cytoplasm.

a. **Glycolysis**

b. Krebs's cycle

c. ETP

d. Oxidative decarboxylation

50. Oxidation of pyruvic acid takes place in the _____

a. Cytoplasm

b. **Mitochondria**

c. Golgi body

d. Nucleus

II. Match the following.

1.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- | | |
|-----------|-------------------|
| 1. Hydra | a. Gills |
| 2. Fish | b. Body surface |
| 3. Frog | c. Stomata |
| 4. Plants | d. Lungs and skin |

Ans: 1-b,2-a,3-d,4-c

2.

- | | |
|--------------|--|
| 1. Earthworm | a. Simplest form of co-ordinating system |
| 2. Insects | b. Dual nerve cord |
| 3. Worm | c. Ganglia |
| 4. Man | d. Brain |

Ans:1-b,2-c,3-a,4-d

3.

- | | |
|---------------------|----------------|
| 1. Green plants | a. fungi |
| 2. Non-green plants | b. saprophytes |
| 3. Cuscutta | c. autotrophs |
| 4. Monotropa | d. parasitic |

Ans: 1-c,2-a,3-d,4-b

4.

- | | |
|-------------------|--|
| 1. Nutrition | a. Food and O_2 is carried |
| 2. Respiration | b. Metabolic-waste by products |
| 3. Transportation | c. Intake and outgoing of O_2 and CO_2 |

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1. Direction of Light a. Hydrotropism
2. Direction of gravity b. Phototropism
3. Direction of water c. Chemotropism
4. Direction of chemicals d. Geotropism

Ans: 1-b,2-d,3-a,4-c

III. Fill in the blanks

1. During photosynthesis, CO_2 and water are converted into_____

Ans: carbohydrates

2. When the digestion takes place in the human of alimentary canal, it is called digestion.

Ans: extracellular

3. _____ is formed during _____

Ans: Pyruvic acid, glycolysis

4. _____are one of the constituents of the phloem.

Ans: sieve tubes

5. Transportation in lower animals like amoeba and paramecium takes place by

Ans: diffusion

7. Conservation of Environment

I. Choose the correct answer.

1. Which of the following groups contain only bio degradable items?
 - a. **Grass, flowers and leaves**
 - b. Grass, wood and plastic

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Fruit peels, Cake and plastic

d. Cake, wood and glass

2. Which of the following constitute a food chain?

a. Grass, wheat and mango

b. **Grass, goat and human**

c. Goat, cow and elephant

d. Grass, fish and goat

3. Which of the following are environmental friendly practices?

a. Carrying cloth bags for shopping

b. Switching off light and fans when not in use

c. Using the public transport

d. **All the above**

4. What is called as 'black gold'?

a. Hydrocarbons

b. Coal

c. **Petroleum**

d. Ether

5. Based on the food chain, pick odd one out:

Plants → Grasshopper → Frog → Tiger → Snake

Ans: Tiger

6. Example for product of green chemistry is _____

a. Plastic

b. Paper

c. **Bio plastics**

d. Halogen flame and retardants

7. _____ is a green house gas which causes climate change and global warming.

a. Hydrogen

b. Oxygen

c. Nitrogen

d. **Carbon dioxide**

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

8. The _____ form decomposers in the pond ecosystem.

- a. Plants
- b. **Bacteria**
- c. Frogs
- d. Phytoplanktons

9. _____ is used in seeding clouds.

- a. **Potassium iodide**
- b. Calcium carbonate
- c. Sulphurdioxide
- d. Ammonium phosphate

10. An example for fossil fuel is _____

- a. Copper
- b. Iron
- c. Magnesium
- d. **Coal**

11. Air pollution is caused by transport exhaust fumes and emission of gases like SO_2 , CO_2 , NO_2 from industries. Similarly, water pollution is caused by _____

- a. **sewage**
- b. crop cultivation
- c. rain
- d. soil erosion

12. If wild animals are killed, what difficulty would we face?

- a. **imbalance in nature**
- b. decrease in frog rain
- c. decrease in population
- d. increase in rain

13. Water is an essential commodity for survival. What can we do to help increase water resources?

- a. deforestation
- b. reducing the use of vehicles
- c. the burning of the wastage
- d. **afforestation**

14. The tiger and the lion are carnivores. Likewise the elephant and the bison are _____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans: Herbivorous

15. Assertion(A): Coal and petroleum are called fossil fuels

Reason®: Fossil fuels are formed from the remains of dead organisms after millions of years.

a. Both 'A' and 'R' are true and 'R' explains 'A'

b. Both 'A' and 'R' are true but 'R' doesn't explain 'A'

c. Only 'A' is true but 'R' is false

d. 'A' is false but 'R' is false

16. Compressed Natural Gas(CNG) is considered a better fuel than coal/ petroleum, because_____

Ans: Compressed Natural Gas (CNG) does not cause pollution

17. Now a day's water bottles and lunch boxes are made from agricultural products like fruit pulp. These are called _____

Ans: bio-plastics

18. Hazardous bio-medical wastes are disposed off by means of_____

a. landfills

b. **incineration**

c. deep well injections

d. compost pits

19. _____ are examples of bio-medical wastes.

a. **Toxic drugs and human anatomical wastes**

b. Rubber and plastics

c. Toxic drugs and glass

d. Paper and glass

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

20. Desalination involves _____ and _____

- a. sublimation and evaporation
- b. evaporation and recondensation**
- c. distillation and sublimation
- d. evaporation and boiling

21. _____ is one of the Tiger reserve in India.

- a. Bharatpur Bird Sanctuary
- b. Gir National Park
- c. Sunder bans National Park**
- d. Mudumalai Wild life Sanctuary

22. _____ is the India's first national park.

- a. Mukkurthi National Park
- b. Bandhipur National Park
- c. Kanha National Park
- d. Corbett National Park**

23. _____ are the biotic factors of an ecosystem.

- a. Water, light and temperature
- b. Producers, consumers and decomposers**
- c. Producers and consumers only
- d. Consumers and decomposers only

24. Which is the prime source of energy in an ecosystem?

- a. water
- b. Air
- c. Sunlight**
- d. Organic substances

26. Which of the following food chain is correct?

- a. Grass → Grasshopper → *Fish* → *Frog* → *Snake*
- b. Grass → *Grasshopper* → *Frog* → *Snake* → *Eagle***
- c. Phytoplankton → *Snake* → *Tiger*

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

d. Grass → *Fish* → *Frog* → *Snake*

26. The concept of 'Green Chemistry' was introduced in the year _____

- a. 1991
- b. 1992
- c. 1994
- d. **1995**

27. Plastics made from plants like corn, potatoes or other agricultural products are called _____

- a. **Bio-plastics**
- b. Bio fuel
- c. Bio-fertilizers
- d. Bio-medicines

28. The term global village was coined by _____

- a. **Marshall McLuhan**
- b. Marshall Pasteur
- c. Louis Pasteur
- d. Alexander Fleming

29. _____ preserves natural water storage and act as aquifers recharge zones.

- a. Water shed management
- b. **Wetland conservation**
- c. Domestic conservation
- d. Desalination

30. _____ are the underground reserves of fresh water.

- a. **Aquifers**
- b. Surface water
- c. Capillary water
- d. Tube wells

31. GEV means _____

- a. **Global Electrical Village**
- b. Global Electronic Venue
- c. Global Electric Village
- d. Grassland Electronic Village

32. Sulphur-di-oxide, carbon-mono-oxide are _____ pollutants.

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

d. salt water

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

39. Collecting rain water from the roof of building or court yards for later use is called _____

- a. watershed Management
- b. **Rainwater Harvesting**
- c. Wetland Conservation
- d. Seeding clouds

40. Where is Anaimalai wild life sanctuary located?

- a. Nilgiris
- b. Tirunelveli
- c. Viruthunagar district
- d. **Slopes of Westernghats**

41. There are about _____ biosphere reserves in India.

- a. 23
- b. **13**
- c. 16
- d. 22

42. Lion tailed macaque is found in _____

- a. Mudumalai Wild life Sanctuary
- b. Mukkurthi National Park
- c. Indira Gandhi Wild Life Sanctuary
- d. **Kalakkadu Wild Life Sanctuary**

43. Which of these is not a wild life sanctuary in Tamil Nadu _____

- a. Anaimalai wild life sanctuary
- b. Viralimalai
- c. **Manas wild life sanctuary**
- d. Point calimere wildlife sanctuary

44. Which of these animal is not found in Gulf of Mannar Marine National park?

- a. turtles
- b. **wild peacocks**
- c. coral reefs
- d. dolphins

45. Which is not a tiger reserve?

- a. **Gir National Park**
- b. Sunder bans National Park

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Kamha National Park

d. Bandhipur National Park

46. In which bird sanctuary we can find 374 special kinds of birds?

a. Guidy National Park

b. Vedanthangal Bird Sanctuary

c. Corbett National Park

d. Bharathpur Bird Sanctuary.

47. Where is India's first national park located _____

a. Uttaranchal

b. Assam

c. West Bengal

d. Gujarat

48. Indian Bison is found in _____

a. Vedanthangal bird sanctuary

b. Mukkurthi National Park

c. Bandhipur National Park

d. Gir National Park

49. Choose the odd one out.

a. Producers

b. Abiotic factors

c. Moon

d. Decomposers

50. Where is India's first national park located _____

a. Uttaranchal

b. Assam

c. West Bengal

d. Gujarat

51. Which of these is not a effect of coal?

a. Precipitation

b. Interference with ground water

c. Dust nuisance

d. Contamination of land and water

52. Carbon dioxide is also called _____

a. Blue house gas

b. Green house gas

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. Yellow gas

d. Red house gas

53. Petroleum is also called _____

a. Olive oil

b. water

c. **Crude oil**

d. Coconut oil

54. Which of these materials is not made from petroleum _____

a. Polyester

b. Nylon

c. **cotton**

d. acrylic

55. Which of these has the green chemistry not developed?

a. in organic chemistry

b. **solar radiation**

c. polymer

d. physical states of matter

56. Many marine organisms living in oceans and seas have killed due to _____

a. **oil spills**

b. tar balls

c. fossil

d. food spills

57. Hydrogen is used in the production of _____

a. milk

b. pesticides

c. **fertilizers**

d. insecticides

58. What is the reason behind the growth of green chemistry _____

a. **World Wide Web**

b. World Global Web

c. PVC

d. polymer

II. Match the following

1.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1. Vallanadu Blackbuck Sanctuary a. Slopes of western ghats
2. Point Calimere wild life Sanctuary b. Tuticorin district
3. Anaimalai wild life Sanctuary c. Tirunelveli district
4. Kalakkadu wild life Sanctuary d. Nagapattinam district

Ans: 1-b,2-d,3-a,4-c

2.

1. Manas wild life Sanctuary a. Madhya Pradesh
2. Gir National Park b. Uttaranchal
3. Kanha National Park c. Gujarat
4. Corbett National Park d. Assam

Ans: 1-d,2-c,3-a,4-b

3.

1. Abiotic factors a. Bacteria and Fungi
2. Producers b. Sunlight
3. Consumers c. Green plants
4. Decomposers d. Lion

Ans: 1-b,2-c,3-d,4-a

4.

1. Landfills a. Hazardous waste
2. Deep well injection b. Burning of toxic drugs
3. Incineration c. Paper and Glass

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

4. Recycling and Reuse d. Radioactive waste

Ans: 1-d,2-a,3-b,4-c

5.

1. Seeding clouds a. Aquifer recharge zones
2. Desalination b. Small dams
3. Wetland conservation c. Potassium iodide
4. Watershed management d. Reverse Osmosis

Ans: 1-c,2-d,3-a,4-b

6.

1. Indira Gandhi Wild Life a. Nagapattinam
2. Mudumalai Wild Life b. Western Ghats
3. Mundanthurai Wild life c. The Nilgiris
4. Point Calimere d. Tirunelveli District

Ans: 1-b,2-c,3-d,4-a

7.

1. Primary consumers a. Omnivores
2. Secondary consumers b. Herbivores
3. Tertiary consumers c. Carnivores

Ans: 1-b,2-c,3-a

III. Fill in the blanks

1. Which of the following contain only non-biodegradable items.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

Ans: Aluminium cans and plastics

2. Wild life includes _____

Ans: fauna and flora

3. There are _____ tiger reserves in India.

Ans: 27

4. Wild peacocks are found in _____ sanctuary.

Ans: Viralmalai

5. Chlamydomonas, Volvox and Spirogyra are _____

Ans: Phytoplanktons

6. In an ecosystem, the energy flows in _____ direction.

Ans: one

8. Waste water management

I. Choose the correct answer.

1. An example for water-borne disease is _____

a. scabies

b. **dracunculiasis**

c. trachoma

d. typhoid

2. The sedimented and floating materials are removed by this treatment process.

a. **primary treatment**

b. secondary treatment

c. tertiary treatment

d. peripheral treatment

3. Which is a non-renewable resource?

a. coal

b. petroleum

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

c. natural gas

d. all the above

4. _____ is the chief component of natural gas.

a. **Ethane**

b. Methane

c. Propane

d. Butane

5. Which of these disease is not spread due to the ingestion of water contaminated by human or animal faces or Urine etc.

a. Typhoid

b. amoebic

c. **heart attack**

d. cholera

6. What can be used to treat sewage, fresh water, walls of buildings etc.

a. Nitro euro

b. **Nitrosomonas europaea**

c. Pseudomonas

d. Azatobacter

7. Which is not a water based disease?

a. drawnculiasis

b. helminthes

c. **yellow fever**

d. schistosomiasis

8. Which of these is a water related disease?

a. **Trypanosomiasis**

b. Scabies

c. Trachorna

d. Typhoid

9. How many people suffer from Malaris?

a. 330 million

b. 40 million

c. **300 million**

d. 370 million

10. Waste water can be also used as_____

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. Storm water

b. insecticide

c. pesticide

d. **fertilizer**

11. _____ is a term that is mainly concerned with saving energy.

a. Light energy

b. Conservation of body

c. **Energy management**

d. Wind energy

12. An inspection, survey and analysis on energy flows for energy conservation is called_____

a. Audit energy

b. Light energy

c. Heat energy

d. **Energy Audit**

13. Renewable energy(resources) need to be conserved because_____

a. they are slowly disappearing from earth

b. if we over use them nature will stop replacing them

c. **we should not use them faster than they are replenished by nature**

d. the earth will destroy if we over use

14. _____ is non-toxic safe to handle, distribute and use as a fuel.

a. oxygen

b. **hydrogen**

c. carbondioxide

d. nitrogen

15. What is derived from uneven heating of the earth's surface from the sun and the warm core?

a. Solar power

b. Tidal power

c. **Wind power**

d. Ocean power

16. _____ are energy rich, combustible form of carbon or components of carbon.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

a. Fossil fuel

b. Petroleum

c. Coal

d. Natural gas

17. _____ is a major source of electricity generation through the use of gas turbines and steam turbines.

a. Fossil fuel

b. Petroleum

c. **Natural gas**

d. Coal

18. Compact fluorescent bulbs can save up to _____

a. 4000 megawatts

b. 5000 megawatts

c. **6000 megawatts**

d. 7000 megawatts

19. Which is not a bio-fuel?

a. Bio-gas

b. Vegetable oil

c. **Olive oil**

d. Green diesel

20. Bio alcohol is widely used in _____

a. USA and Canada

b. Canada and Russia

c. UK and USA

d. USA and Brazil

21. Which is the physical substance essential to all living organisms?

a. Air

b. Water

c. Heat

d. Soil

22. Which brings the availability of primary source of water on earth?

a. Lakes

b. River

c. Ocean

d. Rainfall

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

23. _____ is the largest among the water sources.

- a. **Ocean water**
- b. Lakes
- c. Rivers
- d. Wells

24. In which areas of the earth's crust, fresh water flows freely?

- a. **Artesian well**
- b. Lakes
- c. Rivers
- d. Ocean

25. _____ is an example of water-washed diseases.

- a. Typhoid
- b. **Trachoma**
- c. Jaundice
- d. Malaria

26. This disease is caused by insect vectors which breed in water _____

- a. **yellow fever**
- b. scabies
- c. schisto somiasis
- d. amoebiasis

27. CFL means _____

- a. **Compact Fluorescent Light Bulbs**
- b. Compressed Fluorescent bulbs
- c. Connected Fluorescent Lights
- d. Controlled Fluorescent Lights

28. _____ is the energy desired directly from the sun.

- a. **Solar energy**
- b. Wind power energy
- c. Significant energy
- d. Hydrogen

29. _____ is found to be the good choice among the alternate fuel.

- a. **Hydrogen**
- b. Oxygen
- c. Petrol
- d. Diesel

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

30. _____ is called the 'country of winds'.

- a. Brazil
- b. **Denmark**
- c. Japan
- d. China

31. A black mineral of plant origin which is a fossil fuel _____

- a. diesel
- b. **coal**
- c. petrol
- d, methanol

32. _____ is a dark, viscous, foul smelling liquid.

- a. diesel
- b. coal
- c. turpentine
- d. **petroleum**

33. This alcohol is made by fermenting the guar component of plant materials _____

- a. **Bio ethanol**
- b. methanol
- c. carboxylic acid
- d. propanol

II. Match the following

1.

- | | |
|---------------------------|--------------------------------|
| 1. Water born diseases | a. yellow fever, malaria |
| 2. Water washed diseases | b. amoebic and bacillary |
| 3. Water based diseases | c. scabies, trachoma |
| 4. Water related diseases | d. drancunculiasis, helminthes |

Ans: 1-b,2-c,3-d,4-a

2.

- | | |
|----------------------|---------------|
| 1. Primary treatment | a. filtration |
|----------------------|---------------|

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

- | | |
|------------------------|-------------------------------|
| 2. Secondary treatment | b. floating materials |
| 3. Tertiary treatment | c. done by micro-organism |
| 4. Bio remediation | d. biological matters removed |

Ans: 1-b,2-d,3-a,4-c

3.

- | | |
|----------------------------|------------------------------|
| 1. Copper choke | a. solar heater |
| 2. Tungsten bulbs | b. electronic choke |
| 3. Electric heater | c. dried clothes for ironing |
| 4. Wet clothes for ironing | d. fluorescent bulbs |

Ans: 1-b,2-d,3-a,4-c

4.

- | | |
|-----------------|------------------------|
| 1. Solar energy | a. Wind energy |
| 2. Hydrogen | b. Energy from the sun |
| 3. Wind mill | c. Alternate fuel |

Ans: 1-b,2-c,3-a

5.

- | | |
|----------------|---|
| 1. Bio ethanol | a. bacterial action on organic material |
| 2. Bio diesel | b. fermenting the sugar component of plant material |
| 3. Biogas | c. made from vegetable oil and animal fats |

Ans: 1-b,2-c,3-a

III. Fill in the blanks.

10th Science Book Back Questions With Answers in English

More Book Back Questions Check here - <https://goo.gl/rSCNT8>

1. Most grid peaking power plants and some off-grid engine-generators use _____ gas.

Ans: Natural

2. _____ is used as feed stocks for ethanol production.

Ans: Cellulosic Biomass

3. Drinking water contains high amounts of _____ can cause serious diseases.

Ans: chemicals

4. _____ is a potent green house gas.

Ans: Methane

5. _____ is used for the production of _____ for use in fertilizer production.

Ans: Natural gas, Ammonia

6. Replace _____ regulators with _____ regulators for ceiling fans.

Ans: Conventional, electronic

7. _____ is called the 'country of winds'.

Ans: Denmark