

**BIOLOGY**

1. **\*\*Complex carbohydrates that make up cell wall in plants are called :\*\***

- (a) Maltose
- (b) Cellulose
- (c) Sucrose
- (d) Lactose

Answer - (b)

RRB JE 02.06.2019 (Shift-III)

(Cellulose)

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2. **\*\*Chlorophyll contains which of the following elements?\*\*\***

- (a) Aluminium
- (b) Calcium
- (c) Magnesium
- (d) Iron

Answer - (c)

RRB NTPC 28.01.2021 (Shift-II) Stage Ist

(Magnesium)

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3. **\*\*Who coined the term 'protoplasm'?\*\***

- (a) G.J. Mendel
- (b) Johann Evangelist Purkinje
- (c) Charles Darwin
- (d) Robert Hooke

Answer - (b)

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

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(Purkinje)

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4. **\*\*The cultivation of high value crops such as vegetables, fruits and flowers is called\_\_\_\_\_ .\*\***

- (a) Sericulture
- (b) Pisciculture
- (c) Apiculture
- (d) Horticulture

Answer - (d)

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

(Horticulture)

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5. **\*\*The study of cells is called \_\_\_\_\_ .\*\***

- (a) Serology
- (b) Cytoplasm
- (c) Cytology
- (d) Etiology

Answer - (c)

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

(Cytology)

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6. **\*\*Viticulture is : \*\***

- (a) Vegetable cultivation
- (b) Mango cultivation
- (c) Grape cultivation
- (d) Flower cultivation

Answer - (c)

RRB NTPC 11.01.2021 (Shift-I)

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**(Grape cultivation)**

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7. **\*\*The science that deals with the relationship of various organisms with their environment is\*\***

**\*\*known as—\*\***

- (a) Geology**
- (b) Ecology**
- (c) Anthropology**
- (d) Cytology**

**Answer - (b)**

**RRB NTPC (Stage-II) 15/06/2022 (Shift-II)**

**(Ecology)**

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8. **\*\*The study of hematology is related to .....\*\***

- (a) Plant reproductive system**
- (b) Blood**
- (c) Food habits of animals**
- (d) Bones**

**Answer - (b)**

**RRB NTPC 28.12.2020 (Shift-I) Stage Ist**

**(Blood)**

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9. **\*\*What is Morphology?\***

- (a) Study of insects**
- (b) Study of human development**
- (c) Study of the shape, structure and specific structural properties of the organism**
- (d) Study of interdependence of organism and environment**

**Answer - (c)**

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74. **\*\*Which is the largest cell organelle present in a cell?\***

- (a) Endoplasmic reticulum
- (b) Nucleus
- (c) Golgi bodies
- (d) Mitochondria

Answer - (b)

RRB JE 23.05.2019 (Shift-III)

(Nucleus is the largest cell organelle.)

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75. **\*\*Which of the following organelles is called 'protein factories of the cell'?\***

- (a) Chloroplast
- (b) Lysosomes
- (c) Mitochondria
- (d) Ribosomes

Answer - (d)

RRB ALP & Tec. (30-08-18 Shift-II)

(Ribosomes are called the protein factories of the cell.)

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76. **\*\*Which of the following cells is found only in animal cells?\***

- (a) Lysosome
- (b) Golgi bodies
- (c) Centrosome
- (d) Ribosome

Answer - (a)

RRB Group-D 15-11-2018 (Shift-III)

(Lysosome is found only in animal cells.)

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77. **\*\*What is the basic unit of life?\***

- (a) Cell
- (b) Organ
- (c) Tissue
- (d) Nucleus

Answer - (a)

RRB NTPC 28.03.2016 (Shift-III) Stage I

(Cell is the basic unit of life.)

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78. **\*\*What type of cell division is used to repair injury in the body?\***

- (a) Mitosis only
- (b) Meiosis only
- (c) Both Mitosis and Meiosis
- (d) Neither Mitosis nor Meiosis

Answer - (a)

RRB NTPC Stage I 26.04.2016 (Shift-II)

(Mitosis is used to repair injury in the body.)

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79. **\*\*Match pairs.\*\*\***

1. Cell wall (A) Animal cell
2. D.N.A. (B) Plant cell

Answer - (a)

RRB J.E. (14.12.2014, Green paper)

(1 - B, 2 - A)

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80. **\*\*Which of the following is the largest cell in the body of an animal?\***

198. **\*\*\_\_\_\_\_ of plant tissue does not bear living protoplasm at maturity.\*\***

- (a) Bronchiole
- (b) Vertebral tissue
- (c) Sclerenchyma
- (d) Collenchyma

**Answer - (c)**

**RRB Group-D 05-10-2018 (Shift-II)**

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199. **\*\*\_\_\_\_\_ tissue is composed of dead cells.\*\***

- (a) Sclerenchyma
- (b) Aerenchyma
- (c) Collenchyma
- (d) Parenchyma

**Answer - (a)**

**RRB Group-D 25-09-2018 (Shift-III)**

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200. **\*\*Which of the following is not a simple permanent tissue?\***

- (a) Xylem
- (b) Parenchyma
- (c) Sclerenchyma
- (d) Collenchyma

**Answer - (a)**

**RRB ALP & Tec. (30-08-18 Shift-III)**

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201. **\*\*Intercalary meristem is found:\*\***

- (a) At the growing tips of stems.
- (b) At the growing tips of roots.
- (c) At the base of the leaves.
- (d) At the growing tips of leaves.

Answer - (c)

RRB Group-D 01-10-2018 (Shift-II)

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202. **\*\*Meristematic tissue take up a specific role and lose their ability to divide and then form a .....** **\*\***

- (a) Permanent tissue
- (b) Companion cells
- (c) Sieve tube cell
- (d) RBC

Answer - (a)

RRB Group-D 03-10-2018 (Shift-III)

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203. **\*\*What is the name of the tissue in plants that carries water and minerals from the roots to other parts of the plant?\*\***

- (a) Cambium
- (b) Xylem
- (c) Meristematic tissue
- (d) Phloem

Answer - (b)

Answer - (a)

RRB Group-D- 18/08/2022 (Shift-III)

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267. **\*\*Which of the following statements is INCORRECT?\***

- (a) Sex is determined by different factors in various species.
- (b) Animals, such as snails, individuals can change sex.
- (c) All human chromosomes are not paired.
- (d) All children will inherit a Y chromosome from their mother

Answer - (d)

RRB Group-D- 19/09/2022 (Shift-II)

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268. **\*\*The sex of a person is determined by .....\*\***

- (a) the chromosomes present in both sperm and ovum and dietary habits of parents
- (b) the chromosomes present in sperm
- (c) the chromosomes present in ovum
- (d) the chromosomes present in both sperm and ovum

Answer - (b)

RRB Group-D- 25/08/2022 (Shift-II)

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269. **\*\*The figure below shows a single organism undergoing reproduction and the progeny with minor differences. What could be the reason for the variation?\***

- (a) variation in chromosomal number
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- (b) speciation of organisms
- (c) the results of the Mendel's experiments
- (d) mutation in species

Answer - (a)

RRB Group-D- 25/08/2022 (Shift-II)

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270. **\*\*The heredity of human can be traced to:\*\***

- (a) African origin
- (b) American origin
- (c) South Asian origin
- (d) East Asian origin

Answer - (a)

RRB Group-D 28-09-2018 (Shift-I)

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271. **\*\*The body of ..... is made up of two layers of cell.\*\***

- (a) Coelenterata
- (b) Nematoda
- (c) Annelida
- (d) Platyhelminthes

Answer - (a)

RRB Group-D 10-10-2018 (Shift-II)

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272. **\*\*Cutaneous respiration occurs in .....\*\***

- (a) Bird

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**RRB Group-D 12-12-2018 (Shift-II)**

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**336. Which of the following statements is INCORRECT?**

- (a) All human chromosomes are not paired.**
- (b) Sex is determined by different factors in various species.**
- (c) Animals, such as snails, individuals can change sex.**
- (d) All children will inherit a Y chromosome from their mother**

**Answer - (d)**

**RRB Group-D- 19/09/2022 (Shift-II)**

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**337. Mendel's law apply only when:**

- (a) Parents are pure breeding.**
- (b) Parents are codominant**
- (c) Character is recessive**
- (d) Characters are linked**

**Answer - (a)**

**RRB Group-D 26-09-2018 (Shift-III)**

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**338. Mendel had obtained F2 generation from F1 generation plants through .....process.**

- (a) Self -pollination**
- (b) Hybrid pollination**
- (c) Vegetative reproduction**
- (d) Asexual reproduction**

**Answer - (a)**

**RRB Group-D 26-09-2018 (Shift-II)**

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**339. Which type of reproduction can bring more diversity?**

- (a) Regeneration**
- (b) Budding**
- (c) Sexual**
- (d) Asexual**

**Answer - (c)**

**RRB Group-D 25-09-2018 (Shift-I)**

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**340. ....is the only plant tissue that produces new cells by cell division.**

- (a) Parenchyma**
- (b) Collenchyma**
- (c) Meristem**
- (d) Xylem**

**Answer - (c)**

**RRB Group-D 26-09-2018 (Shift-I)**

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**341. Gregor Mendel contributed to the formulation of the principles of heredity of traits in living things.**

**Answer - (c)**

**RRB Group-D 15-10-2018 (Shift-II)**

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**342. .... are responsible for thickness in the corners of cells of collenchyma.**

- (a) Pectin and chitin**
- (b) Suberin and cellulose**
- (c) Cellulose and pectin**

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**RRB Group-D 29-09-2022 (Shift-II)**

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**446. Reproduction may occur by budding in .....**

- (a) Lobster**
- (b) Starfish**
- (c) Hydra**
- (d) Earthworm**

**Answer - (c)**

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**RRB Group-D 22-09-2018 (Shift-I)**

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**447. Which of the following is a unicellular organism ?**

- (a) Cuscuta**
- (b) Paramecium**
- (c) Lice**
- (d) Bread mould**

**Answer - (b)**

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**RRB Group-D– 08/09/2022 (Shift-II)**

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**448. A unicellular organism has a definite shape, take food in at a specific spot, and uses hair like cilia to move food to that spot. Identify the organism.**

- (a) Paramecium**
- (b) Lice**
- (c) Euglena**
- (d) Plasmodium**

**Answer - (a)**

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**RRB Group-D– 01/09/2022 (Shift-III)**

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449. A sexual reproduction as in the case of amoeba in which an animal reproduces by dividing into two individuals is called:

- (a) Transverse fission
- (b) Longitudinal fission
- (c) Simple fission
- (d) Binary fission

Answer - (d)

RRB ALP & Tec. (10-08-18 Shift-II)

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450. Chlamydomonas belongs to which of these kingdoms?

- (a) Kingdom Plantae
- (b) Kingdom Protista
- (c) Kingdom Fungi
- (d) Kingdom Monera

Answer - (b)

RRB Group-D 06-12

450. Chlamydomonas belongs to which of these kingdoms?

- (a) Kingdom Plantae
- (b) Kingdom Protista
- (c) Kingdom Fungi
- (d) Kingdom Monera

Answer - (b)

RRB Group-D 06-12-2018 (Shift-III)

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**(d) 8**

**Answer - (b)**

**RRB Group-D 26-09-2018 (Shift-I)**

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**553. Brittle stars belong to class -**

**(a) Ophiuroidea**

**(b) Crinoidea**

**(c) Asteroidea**

**(d) Echinoidea**

**Answer - (a)**

**RRB Group-D 15-11-2018 (Shift-II)**

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**554. Aristotle's lantern is found in -**

**(a) Starfish**

**(b) Brittle stars**

**(c) Sea cucumbers**

**(d) Sea urchins**

**Answer - (d)**

**RRB Group-D 26-09-2018 (Shift-I)**

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**555. Oral side of starfish contains -**

**(a) Tentacles**

**(b) Pedicellariae**

**(c) Tube feet**

**(d) Spines**

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**Answer - (a)**

**RRB Group-D 15-11-2018 (Shift-II)**

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**556. Slow moving sea cucumbers belong to class -**

- (a) Holothuroidea**
- (b) Ophiuroidea**
- (c) Echinoidea**
- (d) Asteroidea**

**Answer - (a)**

**RRB Group-D 26-09-2018 (Shift-I)**

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**557. Spines in sea urchins help in -**

- (a) Protection**
- (b) Locomotion**
- (c) Respiration**
- (d) Absorption of water**

**Answer - (a)**

**RRB Group-D 15-11-2018 (Shift-II)**

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**558. Sea urchins belong to class -**

- (a) Asteroidea**
- (b) Ophiuroidea**
- (c) Holothuroidea**
- (d) Echinoidea**

**Answer - (d)**

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678. **\*\*The entire digestive system of an adult human is ..... meter long from mouth to anus.\*\***

(a) 8 (b) 7

(c) 10 (d) 9

Answer - (d)

RRB NTPC 05.04.2016 (Shift-III) Stage I

Length of adult human digestive system is 9 meters.

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679. **\*\*\_\_\_\_\_ receptors are located on our tongue?\***

(a) Photoreceptors (b) Thermo-receptors

(c) Gustatory (d) Olfactory

Answer - (c)

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Gustatory receptors are present on the tongue.

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680. **\*\*The correct sequence of steps in Digestive System is:\*\***

(a) Egestion, Ingestion, Absorption, Digestion

(b) Absorption, Egestion, Digestion, Ingestion

(c) Ingestion, Absorption, Egestion, Digestion

(d) Ingestion, Digestion, Absorption, Egestion

Answer - (d)

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Correct sequence is Ingestion, Digestion, Absorption, Egestion.

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681. **\*\*By which process does food enters in the esophagus?\***

- (a) Ingestion (b) Digestion
- (c) Assimilation (d) Defecation

Answer - (a)

RRB NTPC 05.04.2016 (Shift-III) Stage I

Food enters esophagus by ingestion process.

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682. **\*\*The process of digestion of food in the humans begins in \_\_\_\_\_ and is completed in \_\_\_\_\_.\*\***

- (a) Stomach; Large intestine
- (b) Mouth; Small intestine
- (c) Food pipe; Large intestine
- (d) Food pipe; Small intestine

Answer - (b)

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Digestion begins in mouth and ends in small intestine.

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683. **\*\*In reference of food, which among the following statement is false?\***

- (a) It is an abiotic substance.
- (b) It gives chemical reactions.
- (c) It is a biotic substance.
- (d) It gives us energy.

Answer - (a)

RRB NTPC 17.01.2017 (Shift-III) Stage II

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(d) Human RBCs have lifespan of 15-20 days.

RRB Group-D 05-10-2018 (Shift-I)

Lifespan of RBCs is 115-120 days.

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800. **\*\*Blood is . . . . . tissue.\*\***

- (a) Muscle
- (b) Vessel
- (c) Connective
- (d) Nerve

RRB Group-D 05-10-2018 (Shift-II)

Blood is a fluid connective tissue.

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801. **\*\*The largest corpuscles in human blood is ..... .\*\***

- (a) Lymphatic cells
- (b) Cells coloured with alkali colour
- (c) Red cells
- (d) White cells

RRB Group-D 27-09-2018 (Shift-III)

Largest corpuscles are white blood corpuscles.

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802. **\*\*————— allows light to enter into the human eye?\***

- (a) Retina
  - (b) Iris
  - (c) Cornea
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**(d) Pupil**

**RRB NTPC 02.03.2021 (Shift-II) Stage Ist**

**Light enters through the cornea.**

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**803. \*\*Which of the following elements is part of heme (haem) of human blood? \*\***

**(a) Fe**

**(b) Ca**

**(c) K**

**(d) Al**

**RRB NTPC (Stage-II) –14/06/2022 (Shift-II)**

**Iron is part of heme in human blood.**

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**804. \*\*How is energy measured obtained by food? \*\***

**(a) CAL**

**(b) ATP**

**(c) NAC**

**(d) PTA**

**RRB NTPC 18.04.2016 (Shift-I) Stage I**

**Energy from food is measured in calories.**

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**805. \*\*Cardiac muscles are ————— . \*\***

**(a) Fusiform, unbranched multinucleated and uninucleated**

**(b) Cylindrical, branched and uninucleated.**

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**RRB NTPC 03.03.2021 (Shift-I) Stage Ist**

**Diffusion is movement from high to low concentration.**

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**869. \*\*What is exhaled in human respiration?\*\***

- (a) Mixture of gases**
- (b) Carbon monoxide**
- (c) Oxygen**
- (d) Carbon dioxide**

**st**

**RRB NTPC 05.04.2016 (Shift-III) Stage I**

**Carbon dioxide exhaled in human respiration.**

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**870. \*\*What is the function of alveoli?\*\***

- (a) To aid in absorption of food**
- (b) To purify blood**
- (c) To help digest food**
- (d) To provide a surface where exchange of gases take place**

**RRB NTPC 04.02.2021 (Shift-I) Stage Ist**

**Alveoli provide surface for gas exchange.**

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**871. \*\*———— is required for the breakdown of glucose in human cells to provide energy\*\***

- (a) Oxygen**
  - (b) Hydrogen**
-

(c) Nitrogen

(d) Carbon dioxide

RRB Group-D– 16/09/2022 (Shift-II)

Oxygen required for breakdown of glucose to provide energy.

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872. **\*\*What is aerobic respiration?\***

(a) Respiration without molecular oxygen

(b) Respiration in the presence of oxygen

(c) Respiration through the skin

(d) Respiration through gills

RRB JE 23.05.2019 (Shift-II)

Aerobic respiration occurs in presence of oxygen.

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873. **\*\*\_\_\_\_\_ is the common product produced during aerobic and anaerobic respiration initially in the first step.\***

(a) Pyruvate

(b) Ethanol

(c) Lactic acid

(d) Water

RRB Group-D– 17/08/2022 (Shift-III)

Common product is pyruvate.

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874. **\*\*The incomplete breakdown of the substance in the absence of oxygen is called -\***

(a) Difference respiration

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(c) Bone

(d) Kidney

RRB Group-D 11-10-2018 (Shift-II)

Spinal cord consists of axons of neurons.

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1004. **\*\*\_\*\*\_\_\_\_\_ \*\*involves learning, creation of new memory and recall of past events?\***

(a) Consciousness

(b) Sensations

(c) Cerebration

(d) Cognition

RRB Group-D 11-10-2018 (Shift-II)

Cognition involves learning, memory creation and recall.

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1005. **\*\*\_\*\*\_\_\_\_\_ \*\*controls autonomic functions like sweating, pupil size, digestion etc.?\***

(a) Cerebellum

(b) Cerebrum

(c) Medulla

(d) Hypothalamus

RRB Group-D 23-08-2022 (Shift-III)

Hypothalamus controls autonomic functions.

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1006. **\*\*\_\*\*\_\_\_\_\_ \*\*is known as gateway to brain?\***

(a) Cranium

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- (b) Cerebellum
- (c) Cerebrum
- (d) Spinal cord

RRB Group-D 11-10-2018 (Shift-II)

Spinal cord is gateway to brain.

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1007. **\*\*\_\*\*\_\_\_\_\_ \*\*includes structures for maintaining posture and equilibrium?\***

- (a) Cerebrum
- (b) Cerebellum
- (c) Medulla
- (d) Pons

RRB Group-D 12-10-2018 (Shift-III)

Cerebellum maintains posture and equilibrium.

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1008. **\*\*\_\*\*\_\_\_\_\_ \*\*is the lowest part of brain which controls vital functions?\***

- (a) Cerebrum
- (b) Midbrain
- (c) Medulla
- (d) Pons

RRB Group-D 23-08-2022 (Shift-III)

Medulla is lowest part controlling vital functions.

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1009. **\*\*Hindbrain consists of:-\***

- (a) Cerebellum, pons and medulla
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(b) Cerebrum, cerebellum and midbrain

(c) Cerebellum, midbrain and medulla

(d) Cerebrum, pons and midbrain

RRB Group-D 12-10-2018 (Shift-III)

Hindbrain consists of cerebellum, pons and medulla.

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1010. **\*\*The structure which connects two neurons is:-\*\***

(a) Synapse

(b) Axon

(c) Glial cell

(d) Neuroglia

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Synapse connects two neurons.

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1011. **\*\*Which part provides protective coat to the brain? \*\***

(a) Cranium

(b) Cerebral cortex

(c) Skull

(d) Meninges

RRB Group-D 22-10-2018 (Shift-I)

Meninges provides protective coat to brain.

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