



CLAT Gurukul

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By Ready For Exa

RFB GURUKUL

Class-12 PCB Daily Sheet

RFB-XII-B-DPS · 2026-05-30 · 60 min · no-negative

1.

Physics: The unit of magnetic flux is the: [factual_mcq_ncert]

- A. Tesla
- B. Henry
- C. Weber
- D. Farad

2.

Physics: The energy of a photon is given by $E =$: [factual_mcq_ncert]

- A. mc
- B. $\frac{1}{2}mv^2$
- C. qV^2
- D. $h\nu$

3.

Physics: In a step-up transformer, the number of turns in the secondary coil is: [factual_mcq_ncert]

- A. Greater than in the primary
- B. Equal to the primary
- C. Less than the primary
- D. Always zero

4.

Physics: The nucleus of an atom contains protons and: [factual_mcq_ncert]

- A. Electrons
- B. Neutrons
- C. Positrons
- D. Photons

NAME: _____

ROLL NO: _____

BATCH: _____

5. Physics: Total internal reflection occurs when light travels from a denser to a rarer medium and the angle of incidence exceeds the: [factual_mcq_ncert]

- A. Brewster angle
- B. Right angle
- C. Critical angle
- D. Polarising angle

6. Physics: The resistance of a pure semiconductor, on increasing temperature, generally: [factual_mcq_ncert]

- A. Increases
- B. Remains constant
- C. Becomes infinite
- D. Decreases

7. Chemistry: The number of electrons gained or lost decides the: [factual_mcq_ncert]

- A. Oxidation state change
- B. Atomic number
- C. Mass number
- D. Boiling point

8. Chemistry: Proteins are polymers made up of: [factual_mcq_ncert]

- A. Glucose units
- B. Amino acids
- C. Fatty acids
- D. Nucleotides

9. Chemistry: The functional group present in carboxylic acids is: [factual_mcq_ncert]

- A. -OH
- B. -CHO
- C. -COOH
- D. -NH₂

10. Chemistry: Which vitamin is water-soluble? [factual_mcq_ncert]

- A. Vitamin A
- B. Vitamin D
- C. Vitamin K
- D. Vitamin C

11. Chemistry: The pH of human blood is maintained at approximately: [factual_mcq_ncert]

- A. 7.4
- B. 5.0
- C. 9.5
- D. 2.0

12. Chemistry: DNA and RNA are polymers of: [factual_mcq_ncert]

- A. Amino acids
- B. Nucleotides
- C. Monosaccharides
- D. Fatty acids

13. Chemistry: Soaps are sodium or potassium salts of: [factual_mcq_ncert]

- A. Amino acids
- B. Nucleic acids
- C. Long-chain fatty acids
- D. Mineral acids

14.

Biology: The functional unit of the kidney is the: [factual_mcq_ncert]

- A. Neuron
- B. Alveolus
- C. Nephridium
- D. Nephron

15.

Biology: In humans, the male gametes (sperm) are produced in the: [factual_mcq_ncert]

- A. Testes
- B. Ovaries
- C. Prostate gland
- D. Kidneys

16.

Biology: Mendel's law of segregation deals with the separation of: [factual_mcq_ncert]

- A. Chromosomes during mitosis
- B. Alleles during gamete formation
- C. Genes on different chromosomes
- D. Identical twins

17.

Biology: The blood group considered the universal donor is: [factual_mcq_ncert]

- A. AB positive
- B. A positive
- C. O negative
- D. B negative

18.

Biology: The process of producing multiple copies of a DNA segment in the laboratory is called: [factual_mcq_ncert]

- A. Translation
- B. Transpiration
- C. Fermentation
- D. Polymerase chain reaction (PCR)

19.

Biology: In an ecosystem, green plants are classified as: [factual_mcq_ncert]

- A. Producers
- B. Primary consumers
- C. Decomposers
- D. Secondary consumers

20.

Biology: The causative organism of malaria is: [factual_mcq_ncert]

- A. Salmonella
- B. Plasmodium
- C. Vibrio
- D. Mycobacterium

21.

Biology: The site of fertilisation in the human female reproductive system is the: [factual_mcq_ncert]

- A. Uterus
- B. Cervix
- C. Fallopian tube (oviduct)
- D. Vagina

22.

Biology: The phenotypic ratio of a monohybrid cross in the F₂ generation is: [factual_mcq_ncert]

- A. 1 : 1
- B. 9 : 3 : 3 : 1
- C. 2 : 1
- D. 3 : 1

23.
Biology: Decomposers in an ecosystem are mainly: [factual_mcq_ncert]

- A. Bacteria and fungi
- B. Green plants
- C. Herbivores
- D. Carnivores

24.
Biology: The hormone insulin, which regulates blood glucose, is secreted by the: [factual_mcq_ncert]

- A. Thyroid gland
- B. Pancreas
- C. Adrenal gland
- D. Pituitary gland

25.
Biology: The basic unit of classification of living organisms is the: [factual_mcq_ncert]

- A. Genus
- B. Family
- C. Species
- D. Order

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