

NEET 2027 · BIOLOGY + CHEMISTRY

NEW NCERT

ALL MAJOR CORRECTIONS

Old NCERT vs New NCERT — line by line, with the exact wording that changed. Every point here applies to NEET 2027.

20

CORRECTIONS

14

CHAPTERS

02

SUBJECTS

VEDANTU NEET TAMIL

Comprehensive Slide-by-Slide NCERT Updates

SLIDE 5 · UPDATE ANALYSIS

09

09 BOTANY · MORPHOLOGY OF FLOWERING PLANTS The corn cob is an ear, not a tassel BOTANY OLD NCERT The corn cob was loosely referred to as the tassel . RECREATED FROM NCERT TEXT · NOT A SCAN BOTANY NEW NCERT The corn cob is the ear ; the tassel is the male inflorescence at the top of the plant. RE...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 6 · UPDATE ANALYSIS

10

10 CELL: THE UNIT OF LIFE Theodore Schwann's nationality CELL: THE UNIT OF LIFE OLD NCERT Theodore Schwann, a British zoologist. RECREATED FROM NCERT TEXT · NOT A SCAN CELL: THE UNIT OF LIFE NEW NCERT Theodore Schwann, a German zoologist. RECREATED FROM NCERT TEXT · NOT A SCAN EXAM POINT Schleiden...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 7 · UPDATE ANALYSIS

11

11 CELL: THE UNIT OF LIFE Cytoplasm is semi-fluid — in both cell types CELL: THE UNIT OF LIFE OLD NCERT A fluid matrix called cytoplasm fills the cell. Prokaryotic cytoplasm was separately described as fluid. RECREATED FROM NCERT TEXT · NOT A SCAN CELL: THE UNIT OF LIFE NEW NCERT In both prokaryotic...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 8 · UPDATE ANALYSIS

12

12 RESPIRATION · OXIDATIVE PHOSPHORYLATION Protons required per ATP RESPIRATION OLD NCERT Passage of 2 H^+ through the F_0 channel produces one ATP. RECREATED FROM NCERT TEXT · NOT A SCAN RESPIRATION NEW NCERT Passage of 4 H^+ through the F_0 channel is required to produce one molecule of ATP. RECRE...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 9 · UPDATE ANALYSIS

13

13 RESPIRATION IN PLANTS The word 'only' has been deleted RESPIRATION IN PLANTS OLD NCERT Only green plants and cyanobacteria can prepare their own food. RECREATED FROM NCERT TEXT · NOT A SCAN RESPIRATION IN PLANTS NEW NCERT Green plants and cyanobacteria can prepare their own food — the word 'onl...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 10 · UPDATE ANALYSIS

14

14 LOCOMOTION AND MOVEMENT Euglena is a protist, not a protozoan LOCOMOTION AND MOVEMENT OLD NCERT Flagellar movement is seen in protozoans like Euglena . RECREATED FROM NCERT TEXT · NOT A SCAN LOCOMOTION AND MOVEMENT NEW NCERT Flagellar movement is seen in protists like Euglena . RECREATED FROM N...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 11 · UPDATE ANALYSIS

15

15 BIOMOLECULES · PROTEIN STRUCTURE 'Hydrogen' corrected to 'hydrogen bonds' BIOMOLECULES OLD NCERT Secondary structure was described as being held by hydrogen , and the beta pleated sheet spelling was inconsistent. RECREATED FROM NCERT TEXT · NOT A SCAN BIOMOLECULES NEW NCERT Secondary structure...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 12 · UPDATE ANALYSIS

WHY THIS DECK EXISTS

WHY THIS DECK EXISTS A student flagged it in a test series ! The doubt "Sir, Theodore Schwann was British, wasn't he?" — asked in a live test-series discussion. ✓ The reality He is German. NCERT fixed this nearly two years ago — most students never saw the page. The old book is not a neutral choice ...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 13 · UPDATE ANALYSIS

16

16 BREATHING AND EXCHANGE OF GASES IRV definition — 'additional' dropped BREATHING AND EXCHANGE OLD NCERT IRV: Additional volume of air a person can inspire by a forcible inspiration. RECREATED FROM NCERT TEXT · NOT A SCAN BREATHING AND EXCHANGE NEW NCERT IRV: Volume of air a person can inspire ...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 14 · UPDATE ANALYSIS

17

17 LOCOMOTION AND MOVEMENT · SKELETAL SYSTEM The hyoid is NOT part of the skull
LOCOMOTION AND MOVEMENT OLD NCERT A U-shaped hyoid lies at the base of the buccal cavity and it is also included in the skull . RECREATED FROM NCERT TEXT · NOT A SCAN LOCOMOTION AND MOVEMENT NEW NCERT A single U-shaped ...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 15 · UPDATE ANALYSIS

18

18 HUMAN REPRODUCTION · OVULATION A secondary oocyte is released, not an ovum HUMAN REPRODUCTION OLD NCERT Rupture of the Graafian follicle releases the ovum . RECREATED FROM NCERT TEXT · NOT A SCAN HUMAN REPRODUCTION NEW NCERT Rupture of the Graafian follicle releases the secondary oocyte , arres...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 16 · UPDATE ANALYSIS

19

19 CHEMICAL COORDINATION AND INTEGRATION Position of the adrenal gland CHEMICAL COORDINATION OLD NCERT One pair of adrenal glands, one at the anterior part of each kidney. RECREATED FROM NCERT TEXT · NOT A SCAN CHEMICAL COORDINATION NEW NCERT One pair of adrenal glands, one above each kidney. RE...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 17 · UPDATE ANALYSIS

20

20 CHEMISTRY · HYDROCARBONS Melting point of eicosane CHEMISTRY OLD NCERT Eicosane, melting point 236 K . RECREATED FROM NCERT TEXT · NOT A SCAN CHEMISTRY NEW NCERT Eicosane, melting point 309 K , in the revised alkane properties table. RECREATED FROM NCERT TEXT · NOT A SCAN EXAM POINT Do not stop...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 18 · UPDATE ANALYSIS

QUICK REVISION

QUICK REVISION The last-minute list · 01–08 01 CJD → Creutzfeldt–Jakob Disease 02 Chlorophyceae Spores = asexual, not vegetative 03 ECG Electrocardiogram, not -graph 04 Hydrogen 0.5% → 9.5% by weight 05 PCT Secretes H^+ and NH_3 only 06 HGP 'people' → 'humans' 07 Lactiferous duct Milk expressed at the...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 19 · UPDATE ANALYSIS

QUICK REVISION

QUICK REVISION The last-minute list · 09–16 09 Corn cob Ear, not tassel 10 Schwann British → German 11 Cytoplasm Fluid → semi-fluid, both types 12 ATP 2 H^+ → 4 H^+ per ATP 13 Autotrophs 'Only' deleted 14 Euglena Protozoan → protist 15 Protein Hydrogen → hydrogen bonds 16 IRV 'Additional' deleted VEDA...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 20 · UPDATE ANALYSIS

QUICK REVISION

QUICK REVISION The last-minute list · 17–20 17 Hyoid Not part of the skull 18 Ovulation Ovum → secondary oocyte 19 Adrenal Anterior of → above kidney 20 Eicosane m.p. 236 K → 309 K VEDANTU NEET TAMIL 27...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 21 • UPDATE ANALYSIS

WHAT TO DO NOW

WHAT TO DO NOW Four steps before your next revision 01 Buy the current print Check the reprint year inside the front cover. If it predates the revision, these twenty lines are wrong in your copy. 02 Patch your notes today Strike the old line and write the new one beside it. Do not rely on rememberin...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 22 • UPDATE ANALYSIS

Twenty lines. One book.

Twenty lines. One book. Get the new NCERT and read every one of them. All corrections here apply to NEET 2027. Revise this deck once a week alongside your NCERT reading. VEDANTU NEET TAMIL Thank you · All the best...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 23 • UPDATE ANALYSIS

THE BACKGROUND

THE BACKGROUND Why the corrected text is what counts 2024 The science prevails Where an outdated NCERT line clashed with settled science, the scientifically correct option was upheld. 2024–26 Errors formally raised Line-by-line readings were compiled into error reports and submitted to the Council f...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 24 • UPDATE ANALYSIS

WHAT IS COVERED

WHAT IS COVERED Where the twenty changes sit 04 Cell & Biomolecules Schwann · cytoplasm · H₂ percentage · protein bonds 03 Plant Biology Chlorophyceae · respiration · corn cob 03 Human Physiology I ECG · PCT secretion · IRV definition 03 Human Physiology II Hyoid bone · Euglena · adrenal gland 03 Re...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 25 · UPDATE ANALYSIS

01

01 BIOLOGICAL CLASSIFICATION · CLASS 11 CJD full form is now given BIOLOGICAL CLASSIFICATION OLD NCERT Prion diseases were listed, but CJD was left unexpanded in the text. RECREATED FROM NCERT TEXT · NOT A SCAN BIOLOGICAL CLASSIFICATION NEW NCERT CJD is now expanded as Creutzfeldt–Jakob Disease

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 26 · UPDATE ANALYSIS

02

02 PLANT KINGDOM · CHLOROPHYCEAE Spore formation is no longer called vegetative PLANT KINGDOM OLD NCERT Vegetative reproduction usually takes place by fragmentation or by the formation of different types of spores . RECREATED FROM NCERT TEXT · NOT A SCAN PLANT KINGDOM NEW NCERT Vegetative reproduct...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 27 · UPDATE ANALYSIS

03

03 BODY FLUIDS AND CIRCULATION ECG expansion corrected BODY FLUIDS OLD NCERT ECG stands for Electrocardiograph . RECREATED FROM NCERT TEXT · NOT A SCAN BODY FLUIDS NEW NCERT ECG stands for Electrocardiogram — the record, not the machine. RECREATED FROM NCERT TEXT · NOT A SCAN EXAM POINT Electroca...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 28 · UPDATE ANALYSIS

04

04 BIOMOLECULES · ELEMENTAL COMPOSITION Hydrogen percentage by weight in the human body
BIOMOLECULES OLD NCERT Hydrogen — 0.5% of total body weight. RECREATED FROM NCERT TEXT
· NOT A SCAN BIOMOLECULES NEW NCERT Hydrogen — 9.5% of total body weight, as per the revised
data table. RECREATED FROM N...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.

SLIDE 29 · UPDATE ANALYSIS

05

05 EXCRETORY PRODUCTS AND THEIR ELIMINATION PCT secretion — potassium has been removed
EXCRETORY PRODUCTS OLD NCERT PCT helps maintain pH and ionic balance by selective secretion of
hydrogen ions, ammonia and potassium ions . RECREATED FROM NCERT TEXT · NOT A SCAN
EXCRETORY PRODUCTS NEW NCERT PCT h...

Exam Takeaway: Pay close attention to this revised statement as questions are framed directly from modified NCERT terminology.