

CAREERS 360

PREPARATION **Series**

CUET PG 2025

Question Paper Analysis

A Note to the Students

Dear Students,

We are delighted to present the "[CUET PG 2025 Question Paper Analysis](#)" ebook, thoughtfully curated to empower your preparation journey. This resource provides comprehensive insights into the latest exam patterns, key topics, difficulty levels, and expert tips to enhance your performance.

Analyzing previous question papers is a proven strategy to sharpen your understanding, strengthen your problem-solving skills, and boost your confidence. We encourage you to use this ebook actively—identify areas of strength, address knowledge gaps, and strategize your revision effectively.

We wish you great success in your upcoming CUET PG examination. Remember, consistent effort and focused study always lead to excellence.

“All The Best with your preparation!!!”

Team Careers360

CUET PG 2025 Botany Question Paper Analysis

CUET PG Botany Question Paper Highlights

The difficulty level CUET 2025 Botany exam was **easy to moderate**. Here's a detailed analysis of the exam:

- There were 6–7 questions from Matching.
- The botanical name of fenugreek was asked.
- Most of the questions were from the Genetics section.
- Characteristics of Xerophytes were also asked.
- Questions were based on endospore stain, and electron transport chain (ETC) complex as well.
- Characteristics of BAC (Bacterial Artificial Chromosome) were asked too.
- There were questions from BT Cotton, paracytic stomata.
- Many questions were asked from the family.
- There was a question from Xylem and mRNA modification too.
- Basic amino acids were also asked.
- There was a question from cryopreservation as well.
- A question related to 5' capping was also asked.
- Questions were asked from NPP and PCR too.

CUET PG Botany Question Paper (Memory-Based Questions)

1. What is the botanical name of Methi (Fenugreek)?

Ans. *Trigonella foenum-graecum*

2. White jute is obtained from which plant?

Ans. *Corchorus capsularis*

3. Why do purple and blue colors appear in plants?

Ans. Anthocyanins

4. What elements are found in xylem?

Ans. Tracheids, Vessels, Xylem Parenchyma and Xylem Fibres.

5. Paracytic stomata are found in which plant family?

Ans. Rubiaceae

6. Phosphorus represents what in plants?

Ans. Macronutrient vital

7. Ethylene is the precursor of which compound?

Ans. Ethylene oxide

8. Who conducted the bacterial transformation experiment?

Ans. Frederick Griffith

9. Which enzyme adds the RNA primer during DNA replication?

Ans. Primase

10. What is the interface between G1 and S phase called?

Ans. Restriction point

11. Number of chromosomes in endosperm?

Ans. triploid (3n)

CUET PG 2025 Biochemistry Question Paper Analysis

CUET PG Biochemistry Question Paper (Memory-Based Questions)

1. Who is the father of microbiology?

Ans. Antonie van Leeuwenhoek

2. What is the PCR sequence?

Ans. Denaturation - Primer annealing - Extension/Elongation

3. What is the composition of a lipid raft?

Ans. Cholesterol, sphingolipids, phospholipids, and proteins.

4. Strict vegans lack which vitamin?

Ans. Vitamin B12

5. Which DNA makes a right-handed helix?

Ans. A-DNA and B-DNA

6. Which DNA makes a left-handed helix?

Ans. Z-DNA

7. Which is the most stable form of glucose?

Ans. Chair conformation

8. What is the linkage in amylose?

Ans. 1-4 linkage

9. What is involved in substrate-level phosphorylation?

Ans. Enzymes like pyruvate kinase and phosphoglycerate kinase.

10. After KDEL mutation, it became KEEL. Where did the mutation happen?

Ans. The D (Aspartic acid) at the third position was replaced by E (Glutamic acid).

CUET PG 2025 Mathematics Question Paper Analysis

CUET PG Mathematics Question Paper Highlights

- There were several questions from Statistics and Hypotheses.
- Questions were based on regression analysis as well.
- The questions were a bit lengthy.
- There were many questions based on standard deviation and variance.
- There was a question about orthogonal basis and trajectory.
- A question was also asked from Volume integral.
- Questions from complex numbers were also asked.
- There was a question from groups and subgroups too.
- An infinite limit question was also asked.
- Many questions were asked about functions and linear algebra.
- The Ordinary Differential Equation i.e. ODE part was lengthy compared to others.
- Questions from transformations and ranks were also asked.
- There were a few questions from integration.

CUET PG Mathematics Question Paper (Memory-Based Questions)

1) $f = \frac{x'}{\sqrt{x^2+y^2}}$

2) $(90 + 87 + 89 + 67) \bmod 11$

3) $\int_0^\infty \int_0^\pi x e^{-x^2/2} dx$

4) $|G| = p^2$

\mathbb{Z}_p^2

$\mathbb{Z}_p + \mathbb{Z}_p$

5) $f = x^2 + xy^2 + y^4$

6) $\sqrt{4n^2 + n} - 2n$

7) $\iiint x^2 + y^2 + z^2 dV$

8) $m > n$

$P_{m \times n}$

$Q_{n \times m}$

9) $|x| + |x - 1| + |x + 1|$

10) $\text{Rank}(T) = \text{Rank}(T^2)$

11) $1 - \frac{1}{2^p} + \frac{1}{3^p} - \dots$

12) $\int_0^1 \int_0^1 \int_0^1 [x] + [y] + [z] dV = 0$

13) $\oint F \cdot dr$ from GDT

CUET PG 2025 Geography Question Paper Analysis

CUET PG Geography Question Paper (Memory-Based Questions)

1. Which type of pollution results in Acid Rain?

Ans. Sulphur dioxide and nitrogen oxides from air pollution.

2. What is the term used for pre-monsoon rainfall in Kerala and its neighbouring regions?

Ans. Mango showers

3. According to the 2011 census, how is urbanisation distributed across Indian states?

Ans. Unevenly, with high urbanization in Maharashtra, Tamil Nadu, and Gujarat

4. Which region experiences the highest tidal range?

Ans. Bay of Fundy, Canada

5. Who coined the term 'Ecosystem'?

Ans. A.G. Tansley

6. Which is the busiest route in the world, also known as the "Big Trunk Route"?

Ans. North Atlantic Route

7. Which country is the world's leading producer of manganese?

Ans. South Africa

8. In which region is specific humidity the highest?

Ans. Equatorial region

9. Where does the Bhadravati Iron and Steel Plant (Visvesvaraya Iron and Steel Limited) source its ores from?

Ans. Kemmangundi, Karnataka

10. Which country experienced the largest forest depletion between 2010 and 2020?

Ans. Brazil

CUET PG 2025 Political Science Question Paper Analysis

CUET PG Political Science Question Paper Highlights

- There were many direct and to the point questions.
- There were 1-2 questions on Realism.
- Questions were asked from Gandhiji's satya and ahinsa too.
- Similarly, a question was based on the year of energy conservation act.
- There was also a question based on who quoted "War of all against all".
- Cold war events related questions were also asked in the paper.
- Similarly, there was also a question related to Principles of Morgenthau.
- A question was based on Rousseau's general will as well.
- Most of the questions were from Indian Polity and Western Philosophy.
- There were questions based on chronological order.
- There were around 40-45 easy questions which were too direct.

CUET PG Political Science Question Paper (Memory Based Questions)

1- When did Croatia join the European Union?

Ans- 2013

2- Who was the first President of Russia?

Ans- Boris Yeltsin

3- Who was the first Secretary-General of the United Nations?

Ans- Trygve Lie

4- What is the election process for Australia's House of Representatives called?

Ans- Preferential Voting

5- From which country was the first UN Secretary-General?

Ans- Norway

6- When was NOTA (None of the Above) introduced in elections?

Ans- 2013

7- When did Afghanistan join SAARC?

Ans- 2007

8- Who wrote Administrative Behavior?

Ans- Herbert Simon

9- Who started the Bolshevik Party?

Ans- Vladimir Lenin

10- Where is the headquarters of UNESCO located?

Ans- Paris, France

11- What was the 38th Constitutional Amendment Act related to?

Ans- Emergency Powers

12- Who proposed the Gaia Hypothesis?

Ans- James Lovelock

13- Who introduced the concept of Virtue?

Ans- Aristotle

CUET PG 2025 English Question Paper Analysis

CUET PG 2025 English Question Paper Highlights

- The difficulty level of the question paper was moderate.
- There were questions from passage.
- Few questions were based on chronological order.
- Difficulty of passage was easy.
- Chronological questions were based on birth, noble prize and works.
- Chronological questions were overall moderate.
- There were many questions related to definition.
- Definition based questions were asked from realism, ecocriticism.
- Some questions were asked from tamil, classical and sanskrit literature.
- There was a question based on figure of speech: simile.
- Questions were also asked from RK Narayan works.

CUET PG English Question Paper (Memory Based Questions)

1- What is the correct verb form: He, as well as his friends, ___?

Ans- Was

2- Which preposition is correct: Chanakya lived ___?

Ans- PDuring

3- Identify the possessive noun: My ___ office car is parked elsewhere.

Ans- Mother's

4- Which tense is appropriate: How did Saira ___?

Ans- Past

5- Complete the sentence: There is a growing synthesis between humanism and ___?

Ans- Science

6- What is the one-word synonym for connotation?

Ans- Meaning

7- What is the synonym of nepotism?

Ans- Favouritism

8- What is the antonym of eradicate?

Ans- Plant

9- What does the phrase "taken with a pinch of salt" mean?

Ans- Doubt

10- Find the error: "One of my friends is going to (part B)". Which verb is correct?

Ans- Is

11- What is the past tense of refer?

Ans- Referred

12- What is the word for "front part" of something?

Ans- Façade

13- What phrase means "the argument is unsound"?

Ans- Won't hold water

14- What is the synonym of eradicate?

Ans- Remove

15- What do you call a person who works for the welfare of humans?

Ans- Philanthropist

16- What is the one-word term for extreme desire for wealth?

Ans- Avarice

17- What is the antonym of warily?

Ans- Recklessly

18- What is the term for a small business owner?

Ans- Proprietor

CUET PG 2025 Chemistry Question Paper Analysis

CUET PG Chemistry Question Paper Highlights

- A few questions were asked about the geometry and configuration of compounds.
- There was also a question about the entropy of gas.
- Residual-based questions were also asked in the question paper.
- Questions were also asked about redox reactions.
- Solid state questions were also asked in the paper.
- A few questions were about radioactivity.
- There were several numerically based questions.
- Questions were there from the spectra as well.
- There were a few direct questions.
- Main group-based questions were also there in the paper.
- MOT-based questions were also asked.
- There was a question from stereochemistry too.
- The stable structure of Cyclohexane was also asked.

CUET PG Chemistry Question Paper (Memory Based Questions)

1) What is the shape of Xenon Difluoride (XeF_2)?

Ans- Linear

2) What is the shape of Xenon Tetrafluoride (XeF_4)?

Ans- Square planar

3) Which element has the lowest ionization energy?

Ans- Cesium (Cs)

4) What is the shape of PCl_4^+ (Phosphorus Tetrachloride cation)?

Ans- Tetrahedral

5) What is the effective nuclear charge (Z_{eff}) of Copper (Cu)?

Ans- Approximately 3.3

6) What is the Crystal Field Stabilization Energy (CFSE) for a d^8 metal ion in an octahedral field?

Ans- For strong field ligands (low spin): $-1.2\Delta_0 + 2P - 1.2\Delta_0 + 2P$

For weak field ligands (high spin): $-0.8\Delta_0 - 0.8\Delta_0$

7) What is the number of radial nodes for a 4f orbital?

Ans- 1 (Radial nodes = $n - l - 1$, where $n = 4$, $l = 3$)

CUET PG 2025 Life Science Question Paper Analysis

CUET PG Life Science Question Paper Highlights

- The question paper was moderate in terms of difficulty level.
- There were questions of different types, such as fill in the blanks, matching types.
- There were many statement-based questions; no assertion-reason questions were asked.
- Few questions were sequence-based type
- There was a question from recombinant.
- Microbiology was easy.
- A question was asked about nitrogen fixation.
- There was a question about Jasmonic acid.
- Questions were also asked about heterochromatin.
- There was also a question from topoisomerase.
- There was a matching-based question on immunoglobulins.
- Questions based on vitamins were also there.
- A question was also asked about the antibiotic resistance.
- Questions were also based on techniques, molecular biology.

- A few questions were also from gel electrophoresis, haemoglobin, and chromatography.

CUET PG Life Science Question Paper (Memory-Based Questions)

1) What is the function of Mercury Chloride?

Ans: Mercury chloride (HgCl_2)

2) Select two inorganic nitrogen sources for nitrogen fixation in plants.

Ans: Nitrate (NO_3^-), Ammonium (NH_4^+)

3) If a sequence has the initiator codon AUG, which codes for methionine, then:

- **Statement I:** Yes, the translation process starts with methionine (AUG is the universal start codon).
- **Statement II:** Methionine may or may not be present in the final protein, as it can be cleaved during post-translational modifications.

4) Typhoid Vi vaccine consists of which type of product?

Ans: Bacterial product.

5) Arrange the sequence of bacterial transcription

- **Initiation** – RNA polymerase binds to the promoter region.
- **Elongation** – RNA polymerase synthesizes the RNA strand.
- **Termination** – The transcription process stops, and RNA polymerase is released.

6) Which one is termed as the "guardian of the genome"?

Ans: p53

7) Match the following:

A. Polymers – DNA, RNA

B. Polymerase – DNA polymerase, RNA polymerase

Ans:

- DNA Polymerase → DNA synthesis
- RNA Polymerase → RNA synthesis (transcription)

8) If a flower is cut vertically, what is this type of section called?

Ans: A longitudinal section (LS) is the vertical cut of a flower, showing its internal structure from top to bottom.

9) What is the function of Histatin?

Ans: Histatins are antimicrobial peptides found in saliva. They help in wound healing, inhibit fungal growth (especially *Candida albicans*), and maintain oral health.

10) What is convalescent serum?

Ans: Convalescent serum is a blood serum obtained from individuals who have recovered from an infection. It contains antibodies against the pathogen and can be used as passive immunotherapy to treat or prevent infections.

11) In the F1 generation (Rrli), if recessive genes are crossed, how many zygotes will form?

Ans: If the F1 generation genotype is Rrli (dihybrid cross), crossing two heterozygous individuals follows the dihybrid cross ratio (Punnett square analysis). The total number of possible zygotic combinations is: 16 zygotes (based on the 4×4 Punnett square).

CUET PG 2025 History Question Paper Analysis

CUET PG History Question Paper Highlights

- There were questions based on historiography.
- Questions were also there from the Mewar History.
- Questions were also related to Vijayanagar's architecture.
- Peshwa-related questions were also there.
- Books and authors related questions were also asked.
- There was a question which was based on a treaty signed with the British Government.

- Soviet Union questions were also asked.
- There were around 4-5 questions from World History.
- A few statement-based questions were there as well.
- Questions were based Russian Revolution, Hitler's rule, French Revolution too.
- A Sufism-based question was also there.
- There was a question based on Shahbazgarhi.
- Nalanda University based question was also asked.
- A few questions were there from Mitr mela, Alexander.
- There was also a question asked about the Medieval architecture.

CUET PG History Question Paper (Memory-Based Questions)

1- Who is associated with the Chittagong Armoury Raid?

Ans: Surya Sen

2- Who wrote the book Tahqiq-i-Hind?

Ans: Al-Biruni

3- Which statement was the Indian Rebellion of 1857 based on?

Ans: It was termed as the "First War of Independence" by V.D. Savarkar.

4- Arrange in chronological order: Pliny, Indica, Ptolemy, Geography, Vatsyayana, Mitra Mela.

Ans:

- Indica (Megasthenes) – 4th century BCE
- Pliny (Natural History) – 1st century CE
- Ptolemy (Geography) – 2nd century CE
- Vatsyayana (Kamasutra) – 3rd century CE
- Mitra Mela (founded by Vinayak Damodar Savarkar) – 1899 CE

5- When did the Dutch set up their factory at Nizampatnam?

Ans: 1606 CE

6- Who said that Harappa's drainage system is the oldest and best drainage system ever?

Ans: John Marshall

7- Who attacked the Chittagong Armoury?

Ans: Surya Sen and his revolutionary group (Indian Republican Army)

8- Who gave Sher Shah the title of Sher Khan?

Ans: Bahar Khan (for his bravery in killing a tiger)

9- Which Mughal emperor was so upset with tobacco that he banned it?

Ans: Jahangir

10- Who wrote the book Histories (Historika)?

Ans: Herodotus

11- When was the First Round Table Conference held in London?

Ans: 12 November 1930 – 19 January 1931

CUET PG 2025 Zoology Question Paper Analysis

CUET PG Zoology Question Paper Highlights

- The paper was a bit tough, tricky, and conceptual, with more emphasis on understanding than memorization.
- There was a change in the pattern with more conceptual questions and less direct fact-based questions.
- Ecology had a huge number of questions and thus was the most prominent section.
- Horse evolution and speciation questions were also part of the evolution and speciation section.

- Approximately 6 questions were posed from immunology, keeping a moderate presence.
- Biostatistics had 2-3 questions, adding very little to the overall paper.
- Cell biology and genetics had fewer questions than anticipated, catching many students off guard.
- Plant physiology and microbiology had very limited scope, with hardly any questions.
- Diversity and physiology-related topics were also given very little importance.
- 45-55 questions were attempted by most students, reflecting a decent attempt rate.
- Many students found the paper difficult but manageable with good preparation.

CUET PG Zoology Question Paper (Memory-Based Questions)

1- What is the larval stage of a starfish?

Ans: Bipinnaria

2- When did the Air and Water Control and Prevention Act occur?

Ans: 1981 & 1974

3- When was the Wildlife Protection Act launched?

Ans: 1972

4- What is the larval stage of Crinoids?

Ans: Doliolaria

5- In pollution measurement, which element requires monitoring?

- a. Carbon Dioxide**
- b. Sulphur**
- c. Ozone**
- d. Lead (Pb)**

Ans: Sulphur

6- Where is Satellite DNA located?

Ans: Near centromeric and telomeric regions

7- What is a post-zygotic mechanism?

Ans: Hybrid sterility

8- What is MHC-I related to?

Ans: CD8+ cells (Cytotoxic T-cells)

9- What are the steps of muscle cell contraction?

Ans: Attachment, power stroke, detachment, re-cocking

10- Which organism has a segmented body?

Ans: Annelida

CUET PG 2025 Physics Question Paper Analysis

CUET PG Physics Question Paper Highlights

- The overall difficulty level of the paper was moderate, with a balanced mix of theoretical and application-based questions.
- On average, students attempted around 39 questions, and the accuracy rate was approximately 90%, indicating that most of the attempted questions were answered correctly.
- Some students attempted up to 60 questions, reflecting high confidence and thorough preparation.
- Several questions were repeated from previous year papers (PYQs), which provided an advantage to students who had practiced them.
- Questions from Newton's Laws were included, along with a significant number of questions from Electrodynamics and Solid State Physics (SSP), highlighting a stronger emphasis on these topics.
- The paper primarily tested theoretical knowledge, requiring a solid understanding of core concepts.

- Calculator-based questions were included, suggesting that numerical problem-solving was also a part of the assessment.
- Ascending order matching-type questions were present, which tested students' analytical and reasoning abilities.
- Many questions were based on the Electric Field, making it a key area of focus in the paper.
- Some conceptual questions included determining the real and imaginary parts of the natural logarithm and identifying the SI unit of compressibility.
- A question related to the Compton shift and wavelength was also asked, assessing the understanding of wave-particle duality.
- Additionally, there was a question related to the mean free path, testing knowledge of gas dynamics and molecular movement.

Note: Please stay in touch for more information and detailed insights into all the CUET-PG examinations. Follow Careers360 for more details.

***With Warm Regards
Best Wishes
Team Careers360***