TGT PGT Teacher Recruitment 2026: Subject-Wise TGT Syllabus PDF, Eligibility & Online Form

This comprehensive E-Book covers subject-wise syllabus details, core pedagogy, high-weightage topics, golden sho...

1. EXAM / NOTIFICATION KEY FACTS & DATES

Conducting Body	UPESSC / DSSSB / KVS / NVS
Post / Course Name	Trained Graduate Teacher (TGT) & PGT
Total Vacancies	18,500 Posts
Minimum Qualification	Graduate
Selection Process	Written Exam / CBT followed by Document Verification & Interview (where app...
Exam Mode & Duration	Offline OMR / Online CBT (2 to 3 Hours depending on board)
Key Subjects	Subject Specialization (Math, Science, SST, Languages) + Pedagogy & Genera...
Negative Marking	0.25 Marks (DSSSB, KVS) / No Negative Marking (UP TGT/PGT)

2. 4-STEP SMART PREPARATION PLAN

1. Phase 1: Build strong conceptual clarity using Class 6-10 NCERT for TGT and Class 11-12 NCERT for PGT subject topics.
2. Phase 2: Master Educational Psychology, Child Development & Pedagogy (CDP), along with key provisions of NEP 2020.
3. Phase 3: Solve state-specific PYQs from UP Secondary Education Services Selection Board, DSSSB, KVS, and BPSC TRE.
4. Phase 4: Attempt timed mock tests weekly to refine accuracy, speed, and question selection strategy under negative marking constraints.

3. SAMPLE GOLDEN SHORTCUTS & FORMULAS

* Shortcut 1 (Pedagogy): Bloom's Taxonomy revised levels (bottom to top): Remembering -> Understanding -> Applying -> Analyzing -> Evaluating -> Creating.
* Shortcut 2 (Maths): Quadratic roots ratio m:n trick: If roots ratio is m:n for ax^2+bx+c=0, then b^2 / (a*c) = (m+n)^2 / (m*n).
* Shortcut 3 (Maths): Area of similar triangles ratio equals square of ratio of corresponding sides: Area1/Area2 = (Side1/Side2)^2.
* Shortcut 4 (Maths): Sum of first n natural numbers = n(n+1)/2; Sum of squares = n(n+1)(2n+1)/6.

Downloaded from https://myadmissionguru.com
Get Full E-Book @ Rs. 99 ->
Page 1

4. TOP 10 HIGH-WEIGHTAGE SYLLABUS TOPICS (QUICK SUMMARY)

1. Child Development & Learning Theories
Weightage: High (5-7 Qs)

Focus on Jean Piaget's 4 stages of cognitive development: Sensorimotor, Preoperational, Concrete Operational, and Formal Operational. Understand Vygotsky's Zone of Proximal Development (ZPD) and Scaffolding concept. L...

2. National Education Policy (NEP 2020) & RTE Act 2009
Weightage: High (4-6 Qs)

NEP 2020 replaces the 10+2 system with the new 5+3+3+4 pedagogical structure covering ages 3 to 18. Focus on foundational literacy and numeracy (FLN) targets under NIPUN Bharat. RTE Act 2009 enforces free and compulso...

3. Mathematics: Quadratic Equations & Polynomials
Weightage: High (4-6 Qs)

For quadratic equation ax^2 + bx + c = 0, discriminant D = b^2 - 4ac determines root nature: D > 0 gives real & distinct roots, D = 0 gives real & equal roots, D < 0 gives complex roots. Sum of roots = -b/a and produc...

4. Mathematics: Geometry & Coordinate Geometry
Weightage: High (5-7 Qs)

In triangles, centroid divides medians in 2:1 ratio. Circumcenter is equidistant from vertices while incenter is equidistant from sides. Distance formula d = sqrt((x2 - x1)^2 + (y2 - y1)^2) and section formula for int...

5. Physics: Mechanics, Motion & Newton's Laws
Weightage: High (4-6 Qs)

Equations of motion: v = u + at, s = ut + 0.5at^2, v^2 = u^2 + 2as. Newton's 1st law defines inertia, 2nd law gives F = ma (rate of change of momentum), 3rd law states action and reaction are equal and opposite acting...

6. Chemistry: Chemical Bonding & Periodic Classification
Weightage: High (4-6 Qs)

Modern Periodic Table arranges elements by atomic number Z (Moseley's Law). Electronegativity increases across a period (left to right) and decreases down a group. Atomic radius decreases across a period due to increa...

7. Biology: Cell Structure, Genetics & Inheritance
Weightage: High (5-7 Qs)

Prokaryotic cells lack membrane-bound nucleus and organelles, whereas eukaryotic cells possess defined nucleus and organelles like mitochondria and ER. Mendel's laws: Law of Segregation (monohybrid ratio 3:1 phenotypi...

8. English: English Grammar & Transformation of Sentences
Weightage: High (5-6 Qs)

Subject-Verb Agreement rules: Singular subjects take singular verbs; collective nouns take singular verbs unless divided. Active to Passive voice: object becomes subject, main verb changes to past participle (V3) alon...

9. Hindi Vyakaran: Sandhi, Samas & Hindi Sahitya
Weightage: High (5-6 Qs)

Sandhi has 3 types: Swar, Vyanjan, Visarga. Swar Sandhi has 5 sub-types: Dheergh, Guna, Vriddhi, Yan, and Ayadi. Samas combines words into 6 types: Avyayibhav (first word prefix/invariant), Tatpurusha (case markers hi...

10. Social Science: Indian Freedom Struggle (1857-1947)
Weightage: High (5-7 Qs)

1857 Revolt started at Meerut (Mangal Pandey at Barrackpore). Indian National Congress founded in 1885 by A.O. Hume (1st President: W.C. Bonnerjee). Partition of Bengal (1905) led to Swadeshi Movement. Gandhian Moveme...

Downloaded from https://myadmissionguru.com

5. 10 SAMPLE EXAM-STYLE PRACTICE MCQS (WITH ANSWERS)

Q1. Which stage of Piaget's cognitive development is characterized by 'Object Permanence'?
(A) Preoperational Stage (B) Sensorimotor Stage (C) Concrete Operational Stage (D) Formal Operational Stage
Ans: (B) | Object permanence develops during the Sensorimotor stage (0 to 2 years), where the child understands that objects continue to exist even when unseen.

Q2. According to the National Education Policy 2020, what is the new pedagogical structure replacing 10+2?
(A) 5+3+3+4 (B) 3+5+3+4 (C) 5+4+3+2 (D) 4+3+3+5
Ans: (A) | NEP 2020 replaces 10+2 with a 5+3+3+4 design covering ages 3-8 (Foundational), 8-11 (Preparatory), 11-14 (Middle), and 14-18 (Secondary).

Q3. Under the Right to Education (RTE) Act 2009, what is the mandatory Pupil-Teacher Ratio (PTR) for upper primary classes?
(A) 30:1 (B) 35:1 (C) 40:1 (D) 25:1
Ans: (B) | RTE Act 2009 prescribes a Pupil-Teacher Ratio of 30:1 for primary schools (Classes 1-5) and 35:1 for upper primary schools (Classes 6-8).

Q4. What is the total duration of one complete standard Micro-teaching cycle in India?
(A) 30 minutes (B) 36 minutes (C) 45 minutes (D) 60 minutes
Ans: (B) | The standard NCERT micro-teaching cycle duration is 36 minutes: Teach (6m), Feedback (6m), Re-plan (12m), Re-teach (6m), Re-feedback (6m).

Q5. If the sum of roots of ax^2 + bx + c = 0 is equal to the product of its roots, then:
(A) b = c (B) b = -c (C) a = b (D) a = c
Ans: (B) | Sum of roots = -b/a and product of roots = c/a. Equating both: -b/a = c/a => -b = c or b = -c.

Q6. The ratio of the areas of two similar triangles is 49 : 81. What is the ratio of their corresponding sides?
(A) 7 : 9 (B) 49 : 81 (C) 9 : 7 (D) 24.5 : 40.5
Ans: (A) | The ratio of areas of two similar triangles is equal to the square of the ratio of their corresponding sides. Side ratio = sqrt(49/81) = 7/9.

Q7. Find the value of k if (x - 1) is a factor of polynomial P(x) = 2x^2 + kx + sqrt(2).
(A) -(2 + sqrt(2)) (B) 2 + sqrt(2) (C) sqrt(2) - 2 (D) 2 - sqrt(2)
Ans: (A) | By Factor Theorem, P(1) = 0. So, 2(1)^2 + k(1) + sqrt(2) = 0 => 2 + k + sqrt(2) = 0 => k = -(2 + sqrt(2)).

Q8. A force of 20 N displaces an object through 5 m at an angle of 60 degrees to the direction of force. What is the work done?
(A) 100 J (B) 50 J (C) 25 J (D) 0 J
Ans: (B) | Work Done W = F * s * cos(theta) = 20 * 5 * cos(60) = 100 * (1/2) = 50 Joules.

Q9. Which cell organelle is known as the 'Suicidal Bag' of the cell?
(A) Ribosome (B) Mitochondria (C) Lysosome (D) Golgi Body
Ans: (C) | Lysosomes contain hydrolytic enzymes capable of digesting cellular components, hence termed suicidal bags.

Q10. What is the oxidation number of Chromium in Potassium Dichromate (K2Cr2O7)?
(A) +3 (B) +6 (C) +7 (D) +5
Ans: (B) | Let Cr be x. 2(+1) + 2(x) + 7(-2) = 0 => 2 + 2x - 14 = 0 => 2x = 12 => x = +6.

Downloaded from https://myadmissionguru.com
Get Full E-Book @ Rs. 99 ->
Page 3

WANT THE FULL 15+ PAGE SELECTION E-BOOK & PYQ BANK?

UNLOCK COMPLETE ADVANCED NOTES PACK @ Rs. 99

14+ Chapters Deep Notes + 15 Formula Tricks + 35 Solved PYQs + 15-Q Mock Test & OMR

6. FREE CHEATSHEET VS COMPLETE RS. 99 SELECTION E-BOOK

Feature	Free PDF (This File)	Full Selection E-Book (Rs. 99)
Total Length & Depth	4 Pages (Quick Summary)	**14-18 Pages (Complete E-Book)**
Chapter-Wise Theory & Notes	Brief 2-Line Summary	**12+ Deep Chapters + Exam Trap Alerts**
Formula & Shortcut Cheat Sheets	4 Sample Shortcuts	**15 Master Shortcuts + 2GK/Formula Tables**
Solved Exam-Level Questions	10 Sample MCQs	**35 Solved PYQ-Pattern Qs with Tricks**
Self-Assessment Timed Mock Test	Not Included	**15-Question Mock Test + Printable OMR**
Final 7-Day Revision Checklist	Not Included	**Included + Exam-Hall Strategy**

HOW TO DOWNLOAD THE FULL 15-PAGE E-BOOK RIGHT NOW:

1. Click the button below or open this link in your mobile/computer browser:

CLICK HERE TO UNLOCK FULL E-BOOK @ Rs. 99 ->

https://myadmissionguru.com/notes/tgt-pgt-complete-advanced-notes

2. Pay Rs. 99 via UPI (GPay / PhonePe / Paytm) & download the complete PDF immediately!