



KWA AE STUDY PLAN

60 DAYS



DAILY STUDY METHOD

SESSION	TASK
MORNING	CORE SUBJECT (CVIL/JOB RELATED)
AFTERNOON	MECHANICAL/CHEMICAL
EVENING	FORMULA REVISION + PYQ

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
1	Stress & Strain, Elastic Constants	Engineering Mechanics
2	Shear Force & Bending Moment	Particle Technology
3	Torsion, Springs	Materials & Mechanics of Solids
4	Deflection of beams	Stoichiometry
5	Columns & Trusses	Gears
6	Virtual Work, Energy Methods	Instrumentation

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
7	Week 1 Revision	
8	Fluid Properties & Fluid Statics	Vibrations
9	Bernoulli Equation, Pipe Flow	Process Control
10	Boundary Layer, Orifices & Notches	Fluid Machinery
11	Hydraulic Turbines & Pumps	Mass Transfer
12	Open Channel Flow	Heat Transfer

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
13	Hydrology & Irrigation	Polymer Technology
14	Week 2 Revision	
15	Chain Survey & Compass Survey	Production Engineering
16	Levelling & Contouring	Particle Technology Revision
17	Theodolite & Total Station	Engineering Mechanics Revision
18	GPS, GIS & Remote Sensing	Heat Transfer Revision

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
19	Estimation & Costing	Stoichiometry Revision
20	Valuation & Rate Analysis	Instrumentation Revision
21	Week 3 Revision	
22	Building Materials	Gears Revision
23	Concrete Technology	Process Control Revision
24	Construction Management	Vibrations Revision

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
25	RCC Beams	Fluid Machinery Revision
26	RCC Slabs & Columns	Mass Transfer Revision
27	Footings & Prestressed Concrete	Polymer Technology Revision
28	Week 4 Revision	
29	Soil Properties & Permeability	Production Engineering Revision
30	Consolidation & Compaction	Heat Transfer Problems

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
31	Bearing Capacity	Instrumentation Problems
32	Foundations & Piles	Mechanics Revision
33	Highway Engineering	Chemical Mixed Revision
34	Pavement Design	Mechanical Mixed Revision
35	Urban Planning	Mixed MCQs
36	Water Demand & Population Forecasting	Fluid Machinery

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
37	Water Quality & Standards	Mass Transfer
38	Sedimentation & Coagulation	Heat Transfer
39	Filtration	Process Control
40	Disinfection	Polymer Technology
41	Distribution Systems	Production Engineering
42	Pumps & Pumping Stations	Mixed Revision

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
43	Water Meters & SCADA	Engineering Mechanics
44	Water Audit & Leakage Control	Instrumentation
45	Wastewater Characteristics	Heat Transfer
46	Primary Treatment	Particle Technology
47	Activated Sludge Process	Fluid Machinery
48	Trickling Filter & UASB	Mass Transfer

DAILY STUDY METHOD

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43	Water Meters & SCADA	Engineering Mechanics
44	Water Audit & Leakage Control	Instrumentation
45	Wastewater Characteristics	Heat Transfer
46	Primary Treatment	Particle Technology
47	Activated Sludge Process	Fluid Machinery
48	Trickling Filter & UASB	Mass Transfer

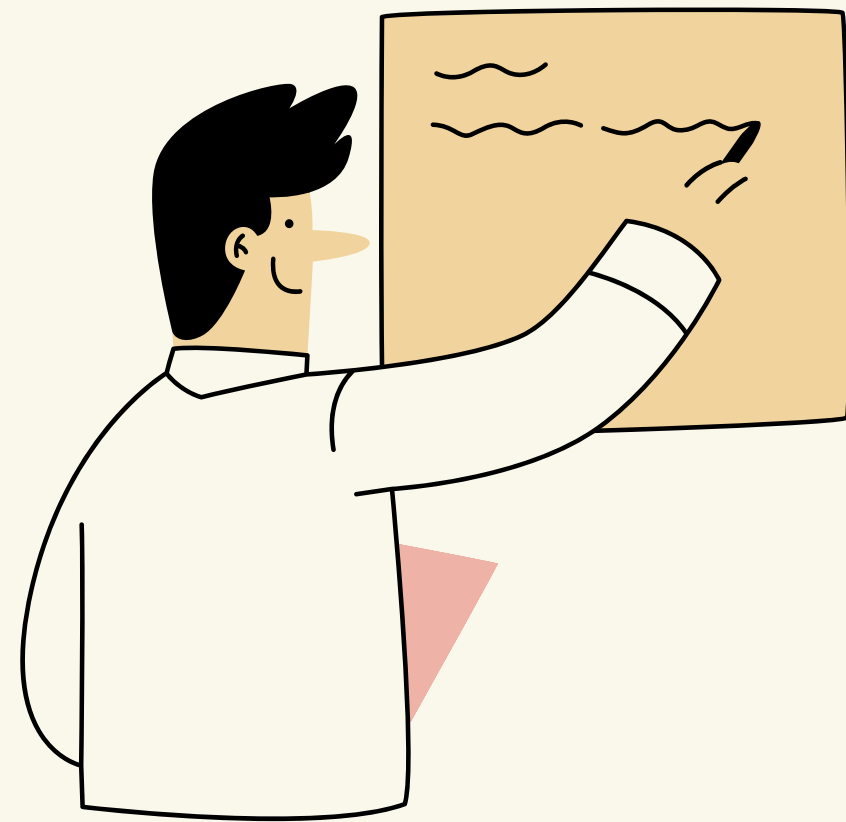
DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
49	Sludge Treatment	Production Engineering
50	Septic Tank & Wetlands	Polymer Technology
51	Wastewater Reuse	Revision Mechanical
52	Complete Water Supply Revision	Revision Chemical
53	Complete Wastewater Revision	Revision Mechanical
54	Structural Engineering Revision	Revision Chemical

DAILY STUDY METHOD

DAY	CORE SUBJECT (CVIL / JOB RELATED)	MECHANICAL / CHEMICAL
55	Geotechnical Revision	Revision Mechanical
56	Survey + Transportation Revision	Revision Chemical
57	Full Civil Revision	Mechanical Revision
58	Water Supply & Wastewater Revision	Chemical Revision
59	Formula Revision (All Subjects)	MCQ practice
60	Grand Revision & Weak Areas	

TIPS



- **Maintain three notebooks:**
 - Civil Core Notes**
 - Mechanical Core**
 - Chemical Core**
- **Weekly mini-test on Sundays (20 MCQs each from 3 modules).**
- **Use KPSC AE Previous Papers + GATE Civil Environmental sets for applied practice.**



All the best!



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FAMILY