GATE EE: subject-wise weightage

2007-2026 supplied papers | 20 years | 25 distinct papers/sets | 1,660 questions

What the recent papers emphasise

In the three supplied papers for 2024-2026, Engineering Mathematics and General Aptitude together account for **30.3 marks on average**. Power Electronics and Drives contributes a further **10.7 marks**. These are observed averages, not a forecast or a guaranteed allocation.

Subject	2023	2024	2025	2026	Recent average	2010-2026 average
Engineering Mathematics	13	13	15	18	15.33	13.09
General Aptitude	15	15	15	15	15.00	15.00
Power Electronics and Drives	8	11	12	9	10.67	9.30
Power Systems	8	10	8	10	9.33	9.35
Electrical Circuits	10	7	6	12	8.33	9.82
Electrical Machines	10	8	8	9	8.33	9.75
Signals and Systems	11	11	9	4	8.00	8.50
Control Systems	9	9	9	6	8.00	8.35
Analog Electronics	4	6	8	3	5.67	5.18
Electromagnetic Fields	4	4	3	6	4.33	3.52
Measurements	2	3	5	4	4.00	3.65
Digital Electronics	6	3	2	4	3.00	4.48

All figures above are marks out of 100, and therefore also percentages. Recent average = equal average of 2024, 2025 and 2026. Long-period average = equal average of 17 available years from 2010 onward; multi-set years are averaged first. 2023 is now included in the combined tables and long-period averages.

Subject labels are assigned from the concept tested, not an official subject-tagged answer key. Cross-disciplinary questions can move between subjects under another reasonable classification. The question-number audit makes every allocation reviewable.

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Year-wise subject weightage (%)

Normalised to 100% for every year; multi-set years show the mean of supplied sets.

Year	Sets	GA	Math	Circuits	EMF	Signals	Machines	Power systems	Control	Measure	Analog	Digital	Power elec.
2007	1	0	12	9.3	1.3	8	16.7	11.3	10	3.3	6	6.7	15.3
2008	1	0	10	9.3	4	11.3	12.7	12.7	8	3.3	8.7	5.3	14.7
2009	1	0	11	15	0	7	14	12	11	7	9	4	10
2010	1	15	12	8	0	11	10	14	9	4	4	8	5
2011	1	15	13	9	2	7	9	11	7	5	5	5	12
2012	1	15	12	14	0	11	7	7	8	8	5	5	8
2013	1	15	13	10	3	7	6	7	10	4	10	3	12
2014	3	15	11	8	3.3	8	11.3	10	8	6	5	6.7	7.7
2015	2	15	10.5	9	4	8	12.5	9	8	5	5.5	6	7.5
2016	2	15	13	11.5	4	7	13	8.5	9	2	2	4.5	10.5
2017	2	15	13	8.5	3.5	7.5	12	10.5	9	4	4.5	4	8.5
2018	1	15	13	13	3	7	11	10	8	3	3	5	9
2019	1	15	14	10	3	5	11	10	9	3	6	4	10
2020	1	15	12	6	6	10	11	9	10	2	8	3	8
2021	1	15	12	17	6	10	9	8	8	1	2	5	7
2022	1	15	15	8	5	11	8	9	6	1	7	2	13
2023	1	15	13	10	4	11	10	8	9	2	4	6	8
2024	1	15	13	7	4	11	8	10	9	3	6	3	11
2025	1	15	15	6	3	9	8	8	9	5	8	2	12
2026	1	15	18	12	6	4	9	10	6	4	3	4	9

2007 and 2008: each paper totals 150 marks; percentages = subject marks / 150 x 100. 2009: 100 marks, no General Aptitude. From 2010: 100 marks including 15 General Aptitude marks. Rounded rows can differ slightly from 100%.

2014 includes three supplied sets; 2015, 2016 and 2017 include two each. The 2013 PDF contains the same question collection in four reordered booklets; only booklet A is counted. 2023 uses the newly supplied paper; no year is missing from 2007-2026.

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Set-wise raw marks

Use this table to compare the original paper totals before normalisation.

Paper/set	Total	GA	Math	Circuits	EMF	Signals	Machines	Power systems	Control	Measure	Analog	Digital	Power elec.
2007	150	0	18	14	2	12	25	17	15	5	9	10	23
2008	150	0	15	14	6	17	19	19	12	5	13	8	22
2009	100	0	11	15	0	7	14	12	11	7	9	4	10
2010	100	15	12	8	0	11	10	14	9	4	4	8	5
2011	100	15	13	9	2	7	9	11	7	5	5	5	12
2012	100	15	12	14	0	11	7	7	8	8	5	5	8
2013	100	15	13	10	3	7	6	7	10	4	10	3	12
2014-1	100	15	12	6	4	9	11	12	6	6	6	5	8
2014-2	100	15	11	7	3	6	12	9	10	6	6	7	8
2014-3	100	15	10	11	3	9	11	9	8	6	3	8	7
2015-1	100	15	10	9	4	8	10	10	8	5	5	7	9
2015-2	100	15	11	9	4	8	15	8	8	5	6	5	6
2016-1	100	15	12	11	4	8	13	8	9	2	1	6	11
2016-2	100	15	14	12	4	6	13	9	9	2	3	3	10
2017-1	100	15	12	9	4	9	12	10	8	4	5	5	7
2017-2	100	15	14	8	3	6	12	11	10	4	4	3	10
2018	100	15	13	13	3	7	11	10	8	3	3	5	9
2019	100	15	14	10	3	5	11	10	9	3	6	4	10
2020	100	15	12	6	6	10	11	9	10	2	8	3	8
2021	100	15	12	17	6	10	9	8	8	1	2	5	7
2022	100	15	15	8	5	11	8	9	6	1	7	2	13
2023	100	15	13	10	4	11	10	8	9	2	4	6	8
2024	100	15	13	7	4	11	8	10	9	3	6	3	11
2025	100	15	15	6	3	9	8	8	9	5	8	2	12
2026	100	15	18	12	6	4	9	10	6	4	3	4	9

Each raw-marks row sums to its stated total. Set suffixes follow the order in the uploaded PDFs; the separate 2017_1 and 2017_2 files are retained as separate sets. This is coverage of the supplied collection, not a claim that every session ever administered is present.

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Interpretation and preparation priorities

1. Keep Mathematics and Aptitude in the weekly schedule

Across available years from 2010 onward, these two subjects average 28.1 marks combined. In 2024-2026 the average is 30.3. The mathematics figure follows the classification rules below; it is not a prescribed quota.

2. Give substantial time to the electrical core

Power Electronics and Drives, Power Systems, Electrical Machines and Electrical Circuits together average 36.7 marks in 2024-2026. Along with Mathematics and Aptitude, these subjects account for 67.0 marks on average in the recent three papers.

3. Do not skip Signals or Control

They contribute 8.0 marks each on the recent three-paper average. Their individual values fluctuate: Signals falls from 11 in 2024 to 4 in 2026; Control ranges from 6 to 9 in these papers.

4. Treat smaller subjects as useful additional coverage

Analog Electronics, Digital Electronics, Measurements and Electromagnetic Fields together average 17.0 marks in 2024-2026. A small weight in one year does not justify omitting the subject.

5. Use foundational order, not weightage alone

A practical study sequence is Electrical Circuits alongside Mathematics, then Signals and Control, followed by Machines, Power Systems and Power Electronics. Revise Aptitude regularly and interleave the remaining subjects. Adjust time using your own accuracy and revision needs.

These priorities are inferences from the uploaded papers. They do not estimate difficulty, time per question, expected score, or future exam weightage. A high historical allocation does not guarantee easy marks.

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Method and classification rules

Weightage = sum of the marks attached to questions assigned to a subject. Question count is reported separately in the audit. A two-mark question contributes twice as much as a one-mark question. Negative marking, candidate performance and answer-key withdrawals are not used; this is question-paper coverage.

Subject	Classification basis
Engineering Mathematics	Standalone algebra, calculus, complex variables, probability and numerical methods; pure vector calculus without physical field interpretation.
Electrical Circuits	KCL/KVL, network theorems, two-port networks, RLC transients, resonance, coupled circuits and generic AC power calculations.
Electromagnetic Fields	Electric/magnetic fields, charges, dielectric geometry, flux laws and magnetic circuits without explicit machine conversion.
Signals and Systems	Signal operations, convolution, Fourier/Laplace/Z transforms, sampling, impulse responses and generic LTI properties.
Electrical Machines	Transformers and rotating machines, tests, torque/slip, losses, starting and electromechanical energy conversion.
Power Systems	Load flow and bus matrices, faults/sequences, protection, transmission, dispatch, stability and grid compensation.
Control Systems	Feedback, stability criteria, root locus, Bode/Nyquist design, compensators, state-space models and response specifications.
Measurements	Meters, bridges, instrument transformers, oscilloscope operation and measurement error.
Analog / Digital Electronics	Analog: transistors, op-amps, regulators, clipping and active filters. Digital: logic, counters, ADCs, digital timing and legacy microprocessors.
Power Electronics and Drives	Power switches, rectifiers, choppers, inverters, converter harmonics and drive operation/dynamics.

Boundary examples: 2026 Q41 is Power Systems because it asks for a transformer Y-bus representation; Q39 is Measurements because it asks for CT secondary current. 2020 EE Q34 is Control because it identifies a motor transfer function from its step response. 2025 Q54 is Mathematics because it directly integrates specified differential equations. Standalone transforms are grouped under Signals, even when another analysis counts them under Mathematics.

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2023: sectional analysis

65 questions | 100 marks | General Aptitude: 15 marks | EE section (including Mathematics): 85 marks

Subject	Questions	Marks / %	Topics tested (question numbers)
General Aptitude	10	15	Grammar and analogy; probability; logical inference; graph reading; comprehension; units digit; geometry.
Engineering Mathematics	9	13	Vectors and linear transformations (11, 24); statistics (25); numerical integration (34); least squares (35); plane curves (42); probability (45); line integral (62); gradient (65).
Electrical Circuits	6	10	Switching initial conditions (29); DC network (32); Thevenin equivalent (51); two-port network (52); RC switching (54); three-phase circuit (64).
Electromagnetic Fields	2	4	Charge motion in electric and magnetic fields (43); magnetic field of a current sheet (61).
Signals and Systems	8	11	Impulse response (17); Fourier transform (18); Z-transform ROC (19); LTI properties (27); convolution (31); periodicity (49); Fourier series (50); sampling and aliasing (63).
Electrical Machines	7	10	Induction-machine modes (15); backward field (16); induced EMF (22); DC motor speed (30); synchronous motor (47); induction motor at changed V/f (48); transformer inductance (53).
Power Systems	6	8	Directional protection (20); economic dispatch (21); Y-bus (28); transmission-line power (33); load-flow bus types (41); line-to-line fault (60).
Control Systems	6	9	Block diagram (12); Nyquist mapping (13); PI feedback (14); frequency response (36); lead compensation (38); state space (46).
Measurements	1	2	Wattmeter connection and load power factor (39).
Analog Electronics	2	4	Op-amp and diode limiting (37); transistor/Zener circuit (59).
Digital Electronics	3	6	ADC coding (40); sequential logic (56); microcontroller flags (57).
Power Electronics and Drives	5	8	Chopper (23); switch characteristics (26); ideal switch/diode conduction (44); thyristor commutation (55); controlled rectifier (58).

Largest allocations: General Aptitude 15%, Mathematics 13%, Signals 11%, Machines and Circuits 10% each. Mathematics + Aptitude = 28 marks. Core EE excluding Mathematics = 72 marks. Total: 30 one-mark questions + 35 two-mark questions = 100 marks.

Classification boundaries: Q36 is Control (Bode/frequency-response identification); Q39 is Measurements (wattmeter); Q44 is Power Electronics (switch/diode conduction); Q48 is Machines (motor operating characteristics); Q53 is Machines (transformer). These follow the concept-based convention of this report.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2007 | EE2007.pdf | 85 questions | 150 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	-	-	0	0
Engineering Mathematics	11, 12	23, 40, 52, 54, 55, 56, 78, 79	10	18
Electrical Circuits	-	29, 50, 61, 62, 63, 64, 67	7	14
Electromagnetic Fields	-	25	1	2
Signals and Systems	9, 10	37, 51, 53, 84, 85	7	12
Electrical Machines	3, 15, 16	45, 46, 47, 48, 57, 66, 71, 72, 73, 76, 77	14	25
Power Systems	4, 5, 6	27, 28, 30, 31, 32, 49, 68	10	17
Control Systems	8	34, 35, 36, 38, 39, 65, 80	8	15
Measurements	17	70, 81	3	5
Analog Electronics	1, 2, 7	21, 24, 58	6	9
Digital Electronics	-	22, 33, 69, 82, 83	5	10
Power Electronics and Drives	13, 14, 18, 19, 20	26, 41, 42, 43, 44, 59, 60, 74, 75	14	23

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2008 | EE2008.pdf | 85 questions | 150 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	-	-	0	0
Engineering Mathematics	4, 5, 6	33, 34, 35, 36, 37, 38	9	15
Electrical Circuits	1, 2	21, 22, 23, 26, 76, 77	8	14
Electromagnetic Fields	-	24, 25, 27	3	6
Signals and Systems	3, 7, 19	28, 29, 30, 31, 32, 39, 64	10	17
Electrical Machines	11, 12, 13	47, 48, 49, 60, 74, 75, 84, 85	11	19
Power Systems	14, 15, 16	50, 51, 52, 53, 54, 71, 72, 73	11	19
Control Systems	-	65, 66, 67, 68, 78, 79	6	12
Measurements	20	69, 70	3	5
Analog Electronics	8	40, 41, 42, 46, 80, 81	7	13
Digital Electronics	9, 10	43, 44, 45	5	8
Power Electronics and Drives	17, 18	55, 56, 57, 58, 59, 61, 62, 63, 82, 83	12	22

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2009 | EE2009.pdf | 60 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	-	-	0	0
Engineering Mathematics	20	33, 34, 38, 39, 40	6	11
Electrical Circuits	3, 7, 10	22, 47, 53, 54, 59, 60	9	15
Electromagnetic Fields	-	-	0	0
Signals and Systems	11	35, 36, 37	4	7
Electrical Machines	6, 14	42, 50, 51, 52, 57, 58	8	14
Power Systems	8, 9	26, 29, 30, 31, 32	7	12
Control Systems	17, 18, 19	27, 28, 55, 56	7	11
Measurements	1, 2, 4	48, 49	5	7
Analog Electronics	12	21, 23, 24, 41	5	9
Digital Electronics	5, 13	25	3	4
Power Electronics and Drives	15, 16	43, 44, 45, 46	6	10

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2010 | EE2010.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	1, 2	26, 27, 28, 29, 30	7	12
Electrical Circuits	5, 7	33, 34, 54	5	8
Electromagnetic Fields	-	-	0	0
Signals and Systems	3, 4, 6	31, 32, 50, 51	7	11
Electrical Machines	13, 15	40, 41, 48, 49	6	10
Power Systems	14, 16, 17, 18, 19, 20	39, 42, 43, 44	10	14
Control Systems	10, 11, 12	36, 37, 38	6	9
Measurements	8, 9	35	3	4
Analog Electronics	21, 22	45	3	4
Digital Electronics	-	46, 47, 52, 53	4	8
Power Electronics and Drives	23, 24, 25	55	4	5

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2011 | EE2011.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	1, 2, 14	26, 27, 30, 37, 38	8	13
Electrical Circuits	3, 15, 16	28, 50, 51	6	9
Electromagnetic Fields	-	40	1	2
Signals and Systems	4, 11, 17	29, 41	5	7
Electrical Machines	5, 6, 18	31, 39, 42	6	9
Power Systems	7, 19, 20	32, 44, 52, 53	7	11
Control Systems	8, 9, 21	33, 45	5	7
Measurements	10, 22, 23	43	4	5
Analog Electronics	12	35, 47	3	5
Digital Electronics	24	34, 46	3	5
Power Electronics and Drives	13, 25	36, 48, 49, 54, 55	7	12

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2012 | EE2012.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	1, 2, 3, 14	26, 27, 37, 38	8	12
Electrical Circuits	4, 5, 11, 16, 17, 25	28, 40, 50, 51	10	14
Electromagnetic Fields	-	-	0	0
Signals and Systems	6, 8, 15	31, 39, 42, 44	7	11
Electrical Machines	10	36, 46, 47	4	7
Power Systems	9, 21, 22	33, 34	5	7
Control Systems	-	41, 43, 54, 55	4	8
Measurements	12, 13	45, 52, 53	5	8
Analog Electronics	18	29, 32	3	5
Digital Electronics	7, 19, 20	30	4	5
Power Electronics and Drives	23, 24	35, 48, 49	5	8

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2013 | EE2013.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	11, 12, 23, 24, 25	35, 36, 46, 47	9	13
Electrical Circuits	2, 7, 8, 19	29, 30, 42	7	10
Electromagnetic Fields	10	34	2	3
Signals and Systems	4, 5, 6, 17, 18	41	6	7
Electrical Machines	9, 21	43, 45	4	6
Power Systems	20	33, 52, 53	4	7
Control Systems	3, 15	28, 40, 50, 51	6	10
Measurements	14, 22	26	3	4
Analog Electronics	1, 13	27, 31, 38, 39	6	10
Digital Electronics	16	37	2	3
Power Electronics and Drives	-	32, 44, 48, 49, 54, 55	6	12

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2014-1 | EE2014.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 3, 5	26, 27, 28, 46	8	12
Electrical Circuits	6, 8	29, 30	4	6
Electromagnetic Fields	7, 14	32	3	4
Signals and Systems	4, 9, 10	33, 34, 35	6	9
Electrical Machines	11, 12, 13	36, 37, 38, 39	7	11
Power Systems	15, 16	31, 40, 41, 42, 43	7	12
Control Systems	17, 18	44, 45	4	6
Measurements	19, 20	47, 48	4	6
Analog Electronics	22, 23	49, 51	4	6
Digital Electronics	21	50, 52	3	5
Power Electronics and Drives	24, 25	53, 54, 55	5	8

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2014-2 | EE2014.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 3, 4, 5	26, 27, 28	8	11
Electrical Circuits	6, 7, 11	30, 31	5	7
Electromagnetic Fields	8	32	2	3
Signals and Systems	9, 10	34, 35	4	6
Electrical Machines	12, 13	36, 37, 38, 39, 40	7	12
Power Systems	14, 15, 16	41, 42, 43	6	9
Control Systems	17, 18	33, 44, 45, 46	6	10
Measurements	19, 20	47, 48	4	6
Analog Electronics	22, 23	29, 49	4	6
Digital Electronics	21	50, 51, 52	4	7
Power Electronics and Drives	24, 25	53, 54, 55	5	8

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2014-3 | EE2014.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 3, 4	26, 27, 28	7	10
Electrical Circuits	6, 8, 24	29, 30, 32, 39	7	11
Electromagnetic Fields	7	31	2	3
Signals and Systems	5, 9, 10	33, 34, 35	6	9
Electrical Machines	11, 12, 13	36, 37, 38, 40	7	11
Power Systems	14, 15, 16	41, 42, 43	6	9
Control Systems	17, 18	44, 45, 46	5	8
Measurements	19, 20	47, 48	4	6
Analog Electronics	22	50	2	3
Digital Electronics	21, 23	49, 51, 52	5	8
Power Electronics and Drives	25	53, 54, 55	4	7

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2015-1 | EE2015.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 12, 13, 14	36, 37, 39	7	10
Electrical Circuits	28, 29, 30	55, 56, 57	6	9
Electromagnetic Fields	21, 22	46	3	4
Signals and Systems	19, 20	38, 45, 63	5	8
Electrical Machines	31, 32	58, 59, 60, 61	6	10
Power Systems	26, 27	51, 52, 53, 54	6	10
Control Systems	34, 35	62, 64, 65	5	8
Measurements	15, 16, 33	40	4	5
Analog Electronics	17, 23, 24	49	4	5
Digital Electronics	25	47, 48, 50	4	7
Power Electronics and Drives	18	41, 42, 43, 44	5	9

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2015-2 | EE2015.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 12, 13	36, 37, 38, 62	7	11
Electrical Circuits	28, 29, 30	54, 55, 56	6	9
Electromagnetic Fields	19, 20	46	3	4
Signals and Systems	14, 24	39, 44, 45	5	8
Electrical Machines	31, 32, 33	53, 57, 58, 59, 60, 61	9	15
Power Systems	26, 27	50, 51, 52	5	8
Control Systems	34, 35	63, 64, 65	5	8
Measurements	15, 16, 17	40	4	5
Analog Electronics	18, 21, 22, 25	49	5	6
Digital Electronics	23	47, 48	3	5
Power Electronics and Drives	-	41, 42, 43	3	6

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2016-1 | EE2016.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 4, 5	26, 27, 28, 29	8	12
Electrical Circuits	15, 17, 18	39, 52, 54, 55	7	11
Electromagnetic Fields	13, 14	38	3	4
Signals and Systems	3, 6, 8, 9	34, 35	6	8
Electrical Machines	21, 24, 25	42, 46, 47, 48, 49	8	13
Power Systems	19, 20	40, 41, 51	5	8
Control Systems	7	30, 31, 32, 33	5	9
Measurements	-	53	1	2
Analog Electronics	12	-	1	1
Digital Electronics	10, 11	36, 37	4	6
Power Electronics and Drives	16, 22, 23	43, 44, 45, 50	7	11

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2016-2 | EE2016.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	6, 7, 8, 9	29, 30, 31, 32, 33	9	14
Electrical Circuits	11, 12, 23, 24	34, 35, 36, 37	8	12
Electromagnetic Fields	16, 25	55	3	4
Signals and Systems	4, 5, 10, 18	28	5	6
Electrical Machines	3, 17, 22	41, 42, 43, 44, 51	8	13
Power Systems	13, 14, 15	38, 40, 53	6	9
Control Systems	21	39, 49, 50, 52	5	9
Measurements	-	54	1	2
Analog Electronics	2	27	2	3
Digital Electronics	1	26	2	3
Power Electronics and Drives	19, 20	45, 46, 47, 48	6	10

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2017-1 | EE2017_1.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	1, 2, 16, 17	26, 27, 28, 42	8	12
Electrical Circuits	9, 18, 19	29, 41, 43	6	9
Electromagnetic Fields	4, 5	44	3	4
Signals and Systems	3, 6, 7	30, 31, 51	6	9
Electrical Machines	8, 20	45, 46, 47, 48, 49	7	12
Power Systems	10, 21	39, 40, 54, 55	6	10
Control Systems	11, 22	32, 33, 50	5	8
Measurements	12, 23	34	3	4
Analog Electronics	14	35, 52	3	5
Digital Electronics	13	36, 37	3	5
Power Electronics and Drives	15, 24, 25	38, 53	5	7

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2017-2 | EE2017_2.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	56, 57, 58, 59, 60	61, 62, 63, 64, 65	10	15
Engineering Mathematics	1, 3, 17, 18, 19, 20	26, 27, 28, 40	10	14
Electrical Circuits	21, 22	29, 30, 41	5	8
Electromagnetic Fields	2	55	2	3
Signals and Systems	4, 23	31, 32	4	6
Electrical Machines	5, 14	33, 42, 43, 44, 45	7	12
Power Systems	15, 24, 25	51, 52, 53, 54	7	11
Control Systems	6, 7	34, 35, 36, 46	6	10
Measurements	8, 9	47	3	4
Analog Electronics	-	37, 38	2	4
Digital Electronics	10	49	2	3
Power Electronics and Drives	11, 12, 13, 16	39, 48, 50	7	10

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2018 | EE2018.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 12, 13, 17, 18	35, 42, 43, 44	9	13
Electrical Circuits	7, 8, 19	31, 32, 47, 48, 55	8	13
Electromagnetic Fields	10	45	2	3
Signals and Systems	16	38, 39, 40	4	7
Electrical Machines	1, 2, 24	26, 51, 52, 54	7	11
Power Systems	6, 20, 21, 22	28, 29, 30	7	10
Control Systems	9, 25	33, 34, 46	5	8
Measurements	5	27	2	3
Analog Electronics	15	41	2	3
Digital Electronics	14	36, 37	3	5
Power Electronics and Drives	3, 4, 23	49, 50, 53	6	9

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2019 | EE2019.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	2, 3, 4, 5, 18, 24	26, 27, 39, 40	10	14
Electrical Circuits	12, 19	38, 41, 42, 43	6	10
Electromagnetic Fields	20	44	2	3
Signals and Systems	1, 6, 7	28	4	5
Electrical Machines	8, 10, 11	45, 46, 47, 48	7	11
Power Systems	21, 22	49, 50, 51, 52	6	10
Control Systems	13, 14, 15	29, 30, 31	6	9
Measurements	23	32	2	3
Analog Electronics	16, 17	33, 34	4	6
Digital Electronics	-	35, 36	2	4
Power Electronics and Drives	9, 25	37, 53, 54, 55	6	10

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2020 | EE2020.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 5, 16	26, 27, 42, 44	8	12
Electrical Circuits	18, 19	32, 45	4	6
Electromagnetic Fields	-	33, 40, 55	3	6
Signals and Systems	3, 4, 6, 10	37, 38, 39	7	10
Electrical Machines	7, 17, 21	28, 43, 46, 48	7	11
Power Systems	8, 9, 23	29, 47, 49	6	9
Control Systems	13, 24	34, 35, 36, 41	6	10
Measurements	-	53	1	2
Analog Electronics	14, 25	30, 31, 52	5	8
Digital Electronics	15	54	2	3
Power Electronics and Drives	11, 12, 20, 22	50, 51	6	8

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2021 | EE2021.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	1, 2, 3, 13	26, 27, 28, 38	8	12
Electrical Circuits	4, 14, 15, 16, 21	29, 30, 39, 40, 50, 51	11	17
Electromagnetic Fields	5, 17	41, 42	4	6
Signals and Systems	6, 7	31, 32, 43, 48	6	10
Electrical Machines	8, 18, 19	33, 44, 45	6	9
Power Systems	9, 10	34, 35, 36	5	8
Control Systems	11, 20	46, 47, 49	5	8
Measurements	12	-	1	1
Analog Electronics	23, 25	-	2	2
Digital Electronics	22	37, 52	3	5
Power Electronics and Drives	24	53, 54, 55	4	7

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2022 | EE2022.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	20	40, 41, 42, 50, 51, 52, 54	8	15
Electrical Circuits	21, 27, 28, 30, 31, 34	55	7	8
Electromagnetic Fields	23	45, 53	3	5
Signals and Systems	11	37, 46, 47, 48, 49	6	11
Electrical Machines	24, 35	62, 64, 65	5	8
Power Systems	13, 14, 15	43, 56, 57	6	9
Control Systems	17, 19	38, 39	4	6
Measurements	18	-	1	1
Analog Electronics	12, 16, 25	36, 44	5	7
Digital Electronics	26, 29	-	2	2
Power Electronics and Drives	22, 32, 33	58, 59, 60, 61, 63	8	13

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2023 | EE2023.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 24, 25, 34, 35	42, 45, 62, 65	9	13
Electrical Circuits	29, 32	51, 52, 54, 64	6	10
Electromagnetic Fields	-	43, 61	2	4
Signals and Systems	17, 18, 19, 27, 31	49, 50, 63	8	11
Electrical Machines	15, 16, 22, 30	47, 48, 53	7	10
Power Systems	20, 21, 28, 33	41, 60	6	8
Control Systems	12, 13, 14	36, 38, 46	6	9
Measurements	-	39	1	2
Analog Electronics	-	37, 59	2	4
Digital Electronics	-	40, 56, 57	3	6
Power Electronics and Drives	23, 26	44, 55, 58	5	8

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2024 | EE2024.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 29, 30, 31, 32	36, 43, 44, 45	9	13
Electrical Circuits	12, 13, 14	48, 49	5	7
Electromagnetic Fields	-	51, 52	2	4
Signals and Systems	15, 16, 33	37, 38, 39, 53	7	11
Electrical Machines	17, 18	40, 54, 55	5	8
Power Systems	19, 34	41, 46, 47, 56	6	10
Control Systems	20, 21, 22	57, 58, 59	6	9
Measurements	23	50	2	3
Analog Electronics	-	42, 60, 61	3	6
Digital Electronics	24, 25, 26	-	3	3
Power Electronics and Drives	27, 28, 35	62, 63, 64, 65	7	11

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2025 | EE2025.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	11, 12, 13, 14, 15	36, 51, 53, 54, 55	10	15
Electrical Circuits	18, 19	52, 57	4	6
Electromagnetic Fields	25	50	2	3
Signals and Systems	20, 21, 30	40, 42, 61	6	9
Electrical Machines	28, 35	43, 44, 45	5	8
Power Systems	32, 33	49, 63, 64	5	8
Control Systems	22, 23, 29	41, 62, 65	6	9
Measurements	31	58, 59	3	5
Analog Electronics	16, 17	38, 39, 56	5	8
Digital Electronics	-	37	1	2
Power Electronics and Drives	24, 26, 27, 34	46, 47, 48, 60	8	12

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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Question-number audit

Numbers refer to the uploaded question papers. Counts and marks below include General Aptitude where present.

2026 | EE2026.pdf | 65 questions | 100 marks

Subject	1-mark question numbers	2-mark question numbers	Count	Marks
General Aptitude	1, 2, 3, 4, 5	6, 7, 8, 9, 10	10	15
Engineering Mathematics	14, 30, 32, 35	49, 50, 55, 56, 62, 64, 65	11	18
Electrical Circuits	23, 24, 25, 26	42, 43, 44, 60	8	12
Electromagnetic Fields	15, 16	51, 63	4	6
Signals and Systems	11, 12	36	3	4
Electrical Machines	17, 20, 21, 22, 31	38, 59	7	9
Power Systems	18, 19	40, 41, 54, 58	6	10
Control Systems	13, 29	52, 53	4	6
Measurements	-	39, 57	2	4
Analog Electronics	33	37	2	3
Digital Electronics	-	45, 46	2	4
Power Electronics and Drives	27, 28, 34	47, 48, 61	6	9

GA denotes the General Aptitude section. Where GA and EE both start at Q1, the subject row identifies the relevant section. A dash means no question was assigned to that subject in that mark band.

The audit is an independent classification of concepts tested. Reassigning a boundary question changes two subject totals but leaves the overall paper total unchanged.

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