SSC MTS • SCHOLARS PRACTICE SERIES

SSC MTS
MOCK TEST 05

Answer Key & Worked Solutions • English

90 Questions · 270 Marks · 2 Sessions

SESSION I
40 Q / 120 marks / 45 minutes

SESSION II
50 Q / 150 marks / 45 minutes

Session I marking
+3 correct · no negative marks

Session II marking
+3 correct · −1 incorrect

Based on the SSC MTS 2025 official examination scheme for practice. This is not an official SSC paper. English section is in English. Verify future notifications at ssc.gov.in.

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Answer Key

Options match the corresponding English and Hindi question papers.

01	A	02	B	03	D	04	B	05	B
06	D	07	D	08	C	09	B	10	C
11	B	12	A	13	B	14	A	15	D
16	B	17	C	18	B	19	D	20	A
21	C	22	A	23	A	24	C	25	D
26	A	27	C	28	B	29	C	30	A
31	D	32	D	33	C	34	B	35	C
36	D	37	B	38	B	39	C	40	A
41	D	42	D	43	A	44	A	45	B
46	D	47	C	48	C	49	C	50	A
51	C	52	D	53	A	54	B	55	A
56	B	57	B	58	A	59	A	60	C
61	A	62	D	63	C	64	C	65	A
66	C	67	B	68	A	69	D	70	D
71	D	72	C	73	D	74	B	75	D
76	D	77	C	78	B	79	C	80	A
81	B	82	A	83	A	84	C	85	D
86	B	87	C	88	D	89	B	90	B

Session I: +3 for correct, 0 for incorrect. Session II: +3 for correct, −1 for incorrect.

SESSION I · Numerical and Mathematical Ability

20 answers with explanations

Q01 · A — 24 m
Pythagoras: other side = √(25²−7²)=√576=24 m.

Q02 · B — 20 L
Salt stays 12 L. For 20% concentration, total volume is 12/.20=60 L; add 20 L.

Q03 · D — 2.5 km/h
Downstream=15 km/h, upstream=10 km/h; stream=(15−10)/2=2.5 km/h.

Q04 · B — Rs 6000
P=SI×100/(R×T)=1440×100/(8×3)=6000.

Q05 · B — Rs 8
Five pens cost Rs 70; 3 erasers cost Rs 24; each eraser Rs 8.

Q06 · D — 660 m
One circumference=2×22/7×35=220 m; three laps=660 m.

Q07 · D — 36
Let 4x and 7x; (4x+18)/(7x+18)=2/3 gives 12x+54=14x+36, x=9; smaller=36.

Q08 · C — 13
Sorted values: 6,9,11,13,15,17,20; middle is 13.

Q09 · B — 1 h 35 min
From 8:35 to 9:35 is 1 h; then 35 min to 10:10.

Q10 · C — Rs 2000
Price×1.08=2160; price=Rs 2000.

Q11 · B — Rs 1500
Total ratio parts=9; second share=3/9×4500=1500.

Q12 · A — 92
12.5%=1/8, so 640/8=80; 5% of 240=12; total 92.

Q13 · B — 3000 L
Volume=2×1.5×1=3 m³, and 1 m³=1000 L; capacity=3000 L.

Q14 · A — 31.25%
Total=240; coffee share=75/240×100=31.25%.

Q15 · D — Rs 5000
For 2 years, CI−SI=P(0.10)²=0.01P; P=5000.

Q16 · B — 169 cm²
Side=52/4=13 cm; area=13²=169 cm².

Q17 · C — 32
Total=4×28=112; missing=112−(19+27+34)=32.

Q18 · B — 12.5 min
Printing rate=96/8=12 labels/min; time=150/12=12.5 min.

Q19 · D — 225 L
25% of 360=90; remaining 360−90−45=225 L.

Q20 · A — 42
3/4−1/6=7/12; (7/12)×72=42.

SESSION I · Reasoning Ability and Problem Solving

20 answers with explanations

Q21 · C — U
The gaps are +2,+3,+4,+5; next +6 gives U.

Q22 · A — EJCKT
C→E, H→J, A→C, I→K, R→T.

Q23 · A — 191
Each term is previous×2+1; 95×2+1=191.

Q24 · C — 10 km
Shortest distance=$\sqrt{(6^2+8^2)}$=10 km.

Q25 · D — Cousin
Mother's brother is maternal uncle; his son is Rita's cousin.

Q26 · A — No tulip is a stone
Tulips belong to flowers, and flowers are disjoint from stones.

Q27 · C — 18
The units digit is 7 in eight numbers (7 through 77), and the tens digit is 7 in ten numbers (70 through 79): 18 occurrences.

Q28 · B — Cylinder
A cylinder is a 3D solid; the others are plane polygons.

Q29 · C — Anil
The order is Anil > Bina > Charu > Dev.

Q30 · A — R
The four appear in order P-Q-R-S; R lies between Q and S.

Q31 · D — 78
G is 7th and H is 8th, giving 78.

Q32 · D — 27
Replace signs: 6×4+3=27.

Q33 · C — West
South→left East→right South→right West.

Q34 · B — 10
Each pair meets once, so matches=5×4/2=10.

Q35 · C — 196
Relationship is n→n^2; 14^2=196.

Q36 · D — 27th
Position from back=42−16+1=27.

Q37 · B — ACTION
ACTION uses A,C,T,I,O,N, each present in EDUCATION; the other words require missing or repeated letters.

Q38 · B — B
With three seats, B must occupy the middle position.

Q39 · C — 48
16,25,36,64 are perfect squares; 48 is not.

Q40 · A — 2-4-1-3
News is reported, edited, printed, and then distributed.

SESSION II · General Awareness

25 answers with explanations

Q41 · D — Pancreas
Insulin is produced by beta cells in the pancreas.

Q42 · D — Convex lens
A convex lens bulges outward and is thicker at its centre.

Q43 · A — Carbon dioxide
Plants use carbon dioxide and water to form carbohydrates in sunlight.

Q44 · A — Life and personal liberty
Article 21 safeguards life and personal liberty, subject to procedure established by law.

Q45 · B — Article 280
Article 280 provides for the constitution of a Finance Commission.

Q46 · D — Jupiter
Jupiter is the largest planet in the Solar System.

Q47 · C — Ampere
The ampere (A) is the SI base unit of electric current.

Q48 · C — 0°C
Pure water freezes at approximately 0°C under standard pressure.

Q49 · C — Ashoka
The Mauryan emperor Ashoka fought the Kalinga War.

Q50 · A — 1757
The Battle of Plassey took place in 1757.

Q51 · C — Ganga
Farakka Barrage is across the Ganga in West Bengal.

Q52 · D — Mahanadi
Hirakud Dam is on the Mahanadi River in Odisha.

Q53 · A — Madhya Pradesh
Sanchi is near Bhopal in Madhya Pradesh.

Q54 · B — 1935
The RBI began operations on 1 April 1935.

Q55 · A — Paddy
Paddy is commonly grown during the monsoon (kharif) season.

Q56 · B — 7
At 25°C, neutral water has pH 7.

Q57 · B — NaCl
Common table salt is sodium chloride, NaCl.

Q58 · A — Liver
The liver is the largest internal organ by mass in most adults.

Q59 · A — 1928
The Simon Commission arrived in India in February 1928.

Q60 · C — Assam
Bihu festivals are a central part of Assamese culture.

Q61 · A — Part IVA
Fundamental Duties are in Part IVA, Article 51A.

Q62 · D — Sikkim
Nathu La is a Himalayan mountain pass in Sikkim.

Q63 · C — Rabindranath Tagore
Rabindranath Tagore composed the words of Jana Gana Mana.

Q64 · C — Central Processing Unit
CPU stands for Central Processing Unit.

Q65 · A — Elastic potential energy
A stretched elastic object stores elastic potential energy.

SESSION II · English Language and Comprehension

25 answers with explanations

Q66 · C — are
With neither...nor, the verb agrees with the nearer plural subject “assistants”: are.

Q67 · B — The bicycle was repaired by the mechanic.
Simple past active changes to was/were + past participle: was repaired.

Q68 · A — Accommodation
Accommodation has double c and double m.

Q69 · D — Abundant
Abundant means plentiful, the opposite of scarce.

Q70 · D — Careful
Meticulous means showing great attention to detail.

Q71 · D — by
“By Friday” means no later than Friday.

Q72 · C — an
Honest begins with a vowel sound because h is silent, so “an” is used.

Q73 · D — Put off
The phrasal verb “put off” means postpone.

Q74 · B — After dinner, we went for a walk.
An introductory phrase can be followed by a comma; no other commas are required here.

Q75 · D — will stay
The first conditional uses if + present tense and will + base verb.

Q76 · D — after
“After” establishes the required order of two events.

Q77 · C — Astronomer
An astronomer studies celestial bodies scientifically.

Q78 · B — have
“Each” takes a singular verb: Each of the boxes has a label.

Q79 · C — shorter
The comparative form of short is shorter.

Q80 · A — since
Since marks the starting point of an ongoing period.

Q81 · B — advice
Advice is a noun meaning guidance; advise is a verb.

Q82 · A — Loud noise can affect concentration.
Affect is normally the verb meaning influence; effect is usually the noun.

Q83 · A — pack
A group of wolves is conventionally called a pack.

Q84 · C — because of
Because of introduces the reason, followed by a noun phrase.

Q85 · D — The list of items is on the table.
The singular head noun “list” requires “is”.

Q86 · B — Recorded its condition
The passage says they recorded each book’s condition before deciding on repair.

Q87 · C — Badly damaged books
Only badly damaged books were sent to a professional conservator.

Q88 · D — To encourage readers to keep books dry
The notice asked readers to keep books away from water.

Q89 · B — Fewer books were returned with damaged covers
The reported observation was fewer damaged covers on returned books.

Q90 · B — Extend book life and encourage careful use
Their goal was to prolong usefulness and promote careful handling.