02

SSC MTS • PREPARATION SERIES

SSC MTS Mock Test 02

DETAILED ANSWERS & EXPLANATIONS

English-medium booklet

Two separately timed sessions. Original practice questions at SSC MTS standard, with a clear distinction between the no-penalty first session and the negatively marked second session.

90 MULTIPLE-CHOICE QUESTIONS	270 MAXIMUM MARKS
45 + 45 min TWO SEPARATE SESSIONS	EN LANGUAGE VERSION

Marking: +3 per correct answer in both sessions. Session I: no negative marking. Session II: −1 for each wrong answer.
Sections: Maths (20), Reasoning (20), General Awareness (25), English (25).

Independent practice material prepared for Scholars SSC Academy. Based on the SSC MTS/Havaldar 2025 notice (Scheme of Examination, paragraph 14.5). This is **not an official SSC paper or a claim that the 2026 notice is unchanged**; check ssc.gov.in for any subsequent notification.

Answer Key · Mock 02

Questions 01–40: Session I (no penalty). Questions 41–90: Session II (−1 per wrong answer).

Q 1–10	Q 11–20	Q 21–30	Q 31–40	Q 41–50	Q 51–60	Q 61–70	Q 71–80	Q 81–90
1: **C**	11: **C**	21: **B**	31: **D**	41: **A**	51: **B**	61: **D**	71: **D**	81: **D**
2: **D**	12: **D**	22: **B**	32: **C**	42: **A**	52: **C**	62: **C**	72: **A**	82: **A**
3: **C**	13: **D**	23: **C**	33: **C**	43: **A**	53: **A**	63: **A**	73: **D**	83: **B**
4: **C**	14: **D**	24: **C**	34: **C**	44: **D**	54: **B**	64: **C**	74: **C**	84: **C**
5: **A**	15: **A**	25: **A**	35: **D**	45: **B**	55: **B**	65: **C**	75: **D**	85: **B**
6: **C**	16: **C**	26: **A**	36: **C**	46: **A**	56: **C**	66: **C**	76: **D**	86: **C**
7: **D**	17: **B**	27: **B**	37: **C**	47: **C**	57: **D**	67: **A**	77: **B**	87: **A**
8: **A**	18: **D**	28: **C**	38: **B**	48: **C**	58: **B**	68: **D**	78: **B**	88: **D**
9: **B**	19: **C**	29: **C**	39: **C**	49: **C**	59: **D**	69: **D**	79: **A**	89: **D**
10: **B**	20: **A**	30: **C**	40: **D**	50: **A**	60: **B**	70: **B**	80: **B**	90: **D**

SESSION I · MATHEMATICAL ABILITY

20 questions | 60 marks | No negative marking

Q01 · Answer C: 120

(17−13)(17+13)=4×30=120.

Q02 · Answer D: 120

15=3×5; 24=2^3×3; LCM=2^3×3×5=120.

Q03 · Answer C: 91

Three parts=39, so one part=13; larger=7×13=91.

Q04 · Answer C: 400

Number=140×100/35=400.

Q05 · Answer A: ₹1,440

2000×0.90×0.80=₹1,440; discounts do not simply add to 30%.

Q06 · Answer C: 9

Total=9×16=144 worker-days; done=36; remaining=108; 108/12=9 days.

Q07 · Answer D: 2:1

Milk=10 L, water initially=2 L; new water=5 L; ratio=10:5=2:1.

Q08 · Answer A: 35

Total increases by 24; average increases by 24/8=3 to 35.

Q09 · Answer B: ₹360

SI=6000×8×(9/12)/100=₹360.

Q10 · Answer B: 18

Speed=15×60/50=18 km/h.

Q11 · Answer C: 120 cm^2

Area=½(12+18)×8=120 cm^2.

Q12 · Answer D: 53°

Complement=90°−37°=53°.

Q13 · Answer D: 120

Number=45×8/3=120.

Q14 · Answer D: 1

1.25×0.8=1.00.

Q15 · Answer A: 45

45^2=2025.

Q16 · Answer C: ₹500

CP=625/1.25=₹500.

Q17 · Answer B: 13

Let son=x, father=3x; 4x=52 so x=13.

Q18 · Answer D: 17/12

Common denominator 12: 8/12+9/12=17/12.

Q19 · Answer C: ₹396

7.2×55=₹396.

Q20 · Answer A: 24

Maximum=48 and minimum=24; difference=24.

SESSION I · REASONING AND PROBLEM SOLVING

20 questions | 60 marks | No negative marking

Q21 · Answer B: Atmospheric pressure

A thermometer measures temperature; a barometer measures atmospheric pressure.

Q22 · Answer B: WLT

D↔W, O↔L, G↔T.

Q23 · Answer C: 6 m north

The east and west movements cancel; 6 m north remains.

Q24 · Answer C: Paternal aunt

Neha is the sister of Tara's father.

Q25 · Answer A: 27

C=3, O=15, D=4, E=5; sum=27.

Q26 · Answer A: No triangle is a circle

Triangles are contained among polygons, which exclude circles.

Q27 · Answer B: 17

Total=9+9−1=17.

Q28 · Answer C: 25

The terms are consecutive squares: $1^2, 2^2, 3^2, 4^2, 5^2$.

Q29 · Answer C: Celsius–Speed

Degree Celsius measures temperature, not speed.

Q30 · Answer C: B A C

B is left of A; C is right of A.

Q31 · Answer D: 20

Sister now=12; after 8 years=20.

Q32 · Answer C: Wednesday

Exactly seven days later is the same weekday.

Q33 · Answer C: D

Gaps +2,+3,+4,+5; Y+5 wraps to D.

Q34 · Answer C: No, another cause may wet it

A wet street can have other causes, such as cleaning. This reverses the implication.

Q35 · Answer D: ▲

Each group begins with triangles; the number of triangles increases by one before a square.

Q36 · Answer C: HTRON

Reverse N-O-R-T-H to H-T-R-O-N.

Q37 · Answer C: Northeast

Relative to C, A is east and north: northeast.

Q38 · Answer B: 8

At least one=22+18−8=32; neither=40−32=8.

Q39 · Answer C: 1

X is position 3; Y is position 5; one person is between them.

Q40 · Answer D: 25

Replace symbols: 8×3−4+5=24−4+5=25.

SESSION II · GENERAL AWARENESS

25 questions | 75 marks | −1 per wrong answer

Q41 · Answer A: Part IV

Directive Principles are in Part IV.

Q42 · Answer A: Untouchability

Article 17 abolishes untouchability.

Q43 · Answer A: Article 280

Article 280 deals with the Finance Commission.

Q44 · Answer D: 26 November 1949

The Constituent Assembly adopted the Constitution on 26 November 1949.

Q45 · Answer B: 1930

Gandhi began the Salt March in March 1930.

Q46 · Answer A: 1915

Gandhi returned to India in January 1915.

Q47 · Answer C: 1919

The Jallianwala Bagh massacre occurred on 13 April 1919.

Q48 · Answer C: Odisha

Konark Sun Temple is in Odisha.

Q49 · Answer C: Ganga

The Yamuna meets the Ganga at Prayagraj.

Q50 · Answer A: Bihar

Kosi is a major river of northern Bihar and is associated with frequent flooding.

Q51 · Answer B: Rajasthan

Most of the Indian portion of the Thar is in Rajasthan.

Q52 · Answer C: Asia

Asia is the largest continent by land area.

Q53 · Answer A: Ohm

Electrical resistance is measured in ohms.

Q54 · Answer B: Retina

The retina receives the focused image.

Q55 · Answer B: Mitochondrion

Mitochondria produce most cellular ATP during aerobic respiration.

Q56 · Answer C: Red

Acids turn blue litmus red.

Q57 · Answer D: 6.022×10^{23}

One mole contains Avogadro's number of entities, about 6.022×10^{23}.

Q58 · Answer B: 365 days

One revolution takes about 365.25 days.

Q59 · Answer D: Stratosphere

The main ozone layer lies in the stratosphere.

Q60 · Answer B: Rhizobium

Rhizobium forms nitrogen-fixing associations with many legumes.

Q61 · Answer D: Gross Domestic Product

GDP stands for Gross Domestic Product.

Q62 · Answer C: Article 112

Article 112 provides for the Annual Financial Statement.

Q63 · Answer A: Northern India

Kathak developed primarily in northern India.

Q64 · Answer C: Nagaland

Hornbill Festival is held in Nagaland.

Q65 · Answer C: Ganges river dolphin

The Ganges river dolphin is India's national aquatic animal.

SESSION II · ENGLISH LANGUAGE AND COMPREHENSION

25 questions | 75 marks | −1 per wrong answer

Q66 · Answer C: careful

Meticulous means extremely careful about details.

Q67 · Answer A: contract

Expand means grow larger; contract means become smaller.

Q68 · Answer D: Privilege

Privilege is the correct spelling.

Q69 · Answer D: is

The head noun list is singular; “of names” does not change the verb.

Q70 · Answer B: for

Responsible for is the correct collocation.

Q71 · Answer D: a

University begins with the consonant sound /y/, so use a.

Q72 · Answer A: The results will be announced tomorrow.

Future simple passive uses will be + past participle.

Q73 · Answer D: Rina said that she had completed her work.

Present perfect generally backshifts to past perfect in past reporting.

Q74 · Answer C: when

Hardly ... when is the standard paired construction.

Q75 · Answer D: ease initial social tension

Break the ice means make a social situation less awkward.

Q76 · Answer D: polyglot

A polyglot speaks several languages.

Q77 · Answer B: It is time we left.

It is time + past simple expresses that something should happen now.

Q78 · Answer B: opaque

Opaque means not allowing light through; opposite of transparent.

Q79 · Answer A: After finishing his homework, he went outside.

An introductory participial phrase is followed by the main clause.

Q80 · Answer B: Although

Although introduces contrast: tired, yet he finished.

Q81 · Answer D: able to recover quickly

Resilient means able to recover from difficulties.

Q82 · Answer A: Necessary

Necessary has one c and two s letters.

Q83 · Answer B: must

Must expresses an obligation.

Q84 · Answer C: Between you and me

The object pronoun me follows the preposition between.

Q85 · Answer B: Had

Inverted third conditional: Had I known = If I had known.

Q86 · Answer C: Rainwater

Rainwater is collected from the roof.

Q87 · Answer A: Into a storage tank

The covered pipe leads to a storage tank.

Q88 · Answer D: Drinking

The passage explicitly says it is not supplied as drinking water.

Q89 · Answer D: Once a week

Students measure rainfall once a week.

Q90 · Answer D: Why water should be saved

The concluding sentence stresses water conservation.