SCHOLARS SSC ACADEMY

SSC MULTI-TASKING STAFF EXAMINATION

SSC MTS
Mock Test 08

Answer Key & Worked Solutions · English edition

90 questions | 270 marks | 2 sessions × 45 minutes

Session I: Numerical Ability (20) + Reasoning (20)

Session II: General Awareness (25) + English (25)

Correct answer: +3 marks in both sessions

Wrong answer: Session I = 0 deduction; Session II = −1 mark

Solutions follow the same question numbers and answer-option order in both language editions.

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Answer Key / उत्तरमाला

The option letters correspond exactly to the accompanying question paper in this language.

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

Worked Solutions / विस्तृत हल

Numerical & Mathematical Ability

Q1. Answer (B) — 5/8

0.625 = 625/1000 = 5/8 after dividing by 125.

Q2. Answer (C) — 59

2^5 = 32 and 3^3 = 27, total 59.

Q3. Answer (D) — 35

25 × 35 = 875.

Q4. Answer (D) — Rs 800

Increase = 640 × 0.25 = 160; new price = Rs 800.

Q5. Answer (B) — Rs 90

One pen = 144/8 = 18; five pens = 18 × 5 = 90.

Q6. Answer (B) — 36 km/h

40 minutes = 2/3 hour. Speed = 24/(2/3) = 36 km/h.

Q7. Answer (A) — 30

Total 8 parts; each part = 6; boys = 5 × 6 = 30.

Q8. Answer (A) — 10 cm

Using Pythagoras, diagonal = $\sqrt{(6^2 + 8^2)} = \sqrt{100} = 10$ cm.

Q9. Answer (B) — 44 cm

Circumference = $2\pi r = 2 \times 22/7 \times 7 = 44$ cm.

Q10. Answer (B) — 125 cu cm

Volume = side^3 = 5^3 = 125 cu cm.

Q11. Answer (B) — 2 years

Time = 360 × 100/(3000 × 6) = 2 years.

Q12. Answer (B) — 2 hours

Combined rate = 1/6 + 1/3 = 1/2 tank per hour; time = 2 hours.

Q13. Answer (D) — 9

The middle of five ordered numbers is the third number, 9.

Q14. Answer (D) — Rs 630

Selling price = 900 × 70/100 = Rs 630.

Q15. Answer (B) — 3.6

24 × 15 = 360; placing two decimal digits gives 3.60.

Q16. Answer (D) — 80%

72/90 × 100 = 80%.

Q17. Answer (B) — 17

Let them be n to n+3: 4n+6 = 74, so n = 17.

Q18. Answer (A) — 6

9 × 109 = 981, so remainder = 987 - 981 = 6.

Q19. Answer (D) — 120°

One full turn is 360°. One-third = 120°.

Q20. Answer (B) — 72 sq cm

Area = (1/2) × 16 × 9 = 72 sq cm.

Reasoning Ability & Problem Solving

Q21. Answer (C) — 159

Each step doubles the number and adds 1: 79×2+1=159.

Q22. Answer (C) — TUPOF

S→T, T→U, O→P, N→O, E→F gives TUPOF.

Q23. Answer (B) — East

A clockwise quarter-turn from north points east.

Q24. Answer (D) — 35

12, 18 and 24 are multiples of 6, but 35 is not.

Q25. Answer (A) — Teacher

A doctor commonly works in a hospital; a teacher works in a school.

Q26. Answer (B) — 4

Counting from the right: card 2 is first and card 4 is second.

Q27. Answer (C) — Maternal uncle

The brother of a person's mother is their maternal uncle.

Q28. Answer (D) — Friday

Wednesday is +1, Thursday +2, Friday +3.

Q29. Answer (C) — 18

Operations alternate ×2 and −1: 3→6→5→10→9→18.

Q30. Answer (D) — Carrot

Wheat, rice and barley are cereal grains; carrot is a root vegetable.

Q31. Answer (A) — Southwest

The opposite of northeast is southwest.

Q32. Answer (D) — Square

Every third shape is a triangle. Since 14 leaves remainder 2 on division by 3, it is a square.

Q33. Answer (C) — CPPL

Every letter moves one position forward: B→C, O→P, O→P, K→L.

Q34. Answer (A) — All sparrows have wings

If sparrows belong to birds and all birds have wings, sparrows have wings.

Q35. Answer (C) — P-Q-R-S

Every right-neighbour condition gives P-Q-R-S.

Q36. Answer (C) — 32÷8

Three quotients equal 3, whereas 32÷8=4.

Q37. Answer (C) — I9

Letters and numbers both skip one: A,C,E,G,I and 1,3,5,7,9.

Q38. Answer (D) — 11

8 is √64; √121 = 11.

Q39. Answer (D) — 64

$3^3 = 27$; $4^3 = 64$.

Q40. Answer (C) — V

Counting from T as first, U second, V is third.

General Awareness

Q41. Answer (D) — Part IV

Directive Principles are included in Part IV of the Constitution.

Q42. Answer (B) — Lok Sabha and Rajya Sabha

Article 79 provides for Parliament comprising the President and two Houses.

Q43. Answer (B) — Five years

The Lok Sabha normally continues for five years from its first meeting.

Q44. Answer (A) — Sarnath

The emblem is adapted from the Lion Capital of Ashoka at Sarnath.

Q45. Answer (B) — 1885

The Indian National Congress was formed in 1885.

Q46. Answer (D) — 1930

The Dandi March began in March 1930.

Q47. Answer (D) — Megasthenes

Megasthenes served as an ambassador and wrote an account known as Indica.

Q48. Answer (A) — Bhopal

Bhopal is the state capital of Madhya Pradesh.

Q49. Answer (B) — Western Ghats

Anamudi is the highest peak of the Western Ghats.

Q50. Answer (B) — Odisha

Chilika is a large brackish-water lagoon in Odisha.

Q51. Answer (A) — 82°30′ E

Indian Standard Time is based on 82°30′ east longitude.

Q52. Answer (B) — Rajasthan

Most of India’s Thar Desert lies in Rajasthan.

Q53. Answer (A) — Pascal

1 pascal = 1 newton per square metre.

Q54. Answer (A) — 100°C

At 1 atmosphere of pressure, the boiling point of water is about 100°C.

Q55. Answer (B) — Skin

The skin is the body’s largest organ by surface area.

Q56. Answer (B) — Mitochondrion

Mitochondria generate much of the ATP used by eukaryotic cells.

Q57. Answer (A) — Copper

Copper conducts electricity well; the other options are commonly used as insulators.

Q58. Answer (C) — Stratosphere

The ozone layer is concentrated mainly in the stratosphere.

Q59. Answer (B) — Vacuum

Sound needs a material medium; it does not propagate through a vacuum.

Q60. Answer (C) — Pistil

The pistil is the female reproductive structure of a flower.

Q61. Answer (B) — Vitamin D

UVB exposure enables the skin to produce vitamin D precursor compounds.

Q62. Answer (C) — Oxygen

Water-splitting reactions in photosynthesis release oxygen.

Q63. Answer (D) — Reserve Bank of India

The RBI issues banknotes under Indian law, with the one-rupee note issued by the Government of India.

Q64. Answer (C) — New Delhi

The principal bench of the National Green Tribunal is located in New Delhi.

Q65. Answer (D) — Assam

Bihu is closely associated with Assamese culture.

English Language & Comprehension

Q66. Answer (D) — Able to recover quickly

A resilient person or material can recover after difficulty or pressure.

Q67. Answer (D) — Opaque

Transparent allows one to see through; opaque does not.

Q68. Answer (C) — is

Each is the singular head of the subject, so use is.

Q69. Answer (C) — in

The adjective interested normally takes the preposition in.

Q70. Answer (D) — in trouble

To be in hot water means to be in difficulty or trouble.

Q71. Answer (B) — architect

An architect professionally plans and designs buildings.

Q72. Answer (A) — The paintings were displayed by the curator.

The plural object paintings becomes the subject; were displayed is the past passive.

Q73. Answer (B) — Mina said that she would return the following day.

In past reported speech, will changes to would and tomorrow to the following day.

Q74. Answer (C) — necessary

Necessary has one c and two s letters.

Q75. Answer (A) — a

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

Q76. Answer (A) — fewer

Fewer is used for countable plural nouns such as chairs.

Q77. Answer (A) — Unwilling

Reluctant means hesitant or unwilling to act.

Q78. Answer (A) — Modern

Ancient means very old; modern relates to present or recent times.

Q79. Answer (D) — execute it

Carry out means to perform or execute an intended action.

Q80. Answer (A) — Best

Good, better, best are the positive, comparative, and superlative forms.

Q81. Answer (D) — since

Since specifies the point when an ongoing period began.

Q82. Answer (A) — He has gone home.

Present perfect requires has + past participle, and gone is the past participle of go.

Q83. Answer (A) — Make a decision

Make a decision is a standard English collocation.

Q84. Answer (C) — decision

Decision is the noun; decide is the verb.

Q85. Answer (B) — Read the notice carefully.

An imperative begins with read, followed by its object and the adverb.

Q86. Answer (B) — Rainfall

Students recorded daily rainfall.

Q87. Answer (B) — Their teacher

The teacher entered the readings in a shared chart.

Q88. Answer (C) — Four weeks

The class compared the measurements after four weeks.

Q89. Answer (D) — Water also flowed into and out of the pond

Other water flows affected the pond level.

Q90. Answer (C) — One measurement cannot explain an entire system

The passage concludes that one measurement alone is insufficient to explain a whole system.