SCHOLARS SSC ACADEMY

SSC MULTI-TASKING STAFF EXAMINATION

SSC MTS
Mock Test 07

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

Worked Solutions / विस्तृत हल

Numerical & Mathematical Ability

Q1. Answer (C) — 31/36

LCM of 12 and 18 is 36. Thus, 21/36 + 10/36 = 31/36.

Q2. Answer (B) — 140

(40/100) × 350 = 140.

Q3. Answer (B) — 200

Cost price = 240/1.20 = Rs 200.

Q4. Answer (D) — 56

One part = 128/16 = 8; smaller quantity = 7 × 8 = 56.

Q5. Answer (D) — 12 seconds

54 km/h = 15 m/s. Time = 180/15 = 12 seconds.

Q6. Answer (B) — 22

Total = 110; mean = 110/5 = 22.

Q7. Answer (C) — Rs 1,200

SI = 5000 × 8 × 3 / 100 = Rs 1,200.

Q8. Answer (A) — 360

Prime powers: $2^3 \times 3^2 \times 5 = 360$.

Q9. Answer (D) — 48

96 = 2^5×3 and 144 = 2^4×3²; common factors 2^4×3 = 48.

Q10. Answer (D) — 52 cm

Perimeter = 4 × 13 = 52 cm.

Q11. Answer (B) — 154 sq cm

Radius = 7 cm. Area = (22/7) × 7 × 7 = 154 sq cm.

Q12. Answer (D) — 9 days

Work = 15 × 12 = 180 worker-days. Days = 180/20 = 9.

Q13. Answer (C) — 15

3x = 45, so x = 15.

Q14. Answer (C) — Rs 1,080

1500 × 0.90 × 0.80 = Rs 1,080.

Q15. Answer (A) — 80%

Total = 5 L. Milk percentage = 4/5 × 100 = 80%.

Q16. Answer (D) — 120

Number = 75 × 8/5 = 120.

Q17. Answer (B) — 6,000

The digit 6 is in the thousands place, so its value is 6,000.

Q18. Answer (C) — 15%

72/480 × 100 = 15%.

Q19. Answer (A) — 2 h 50 min

11:15 to 12:00 is 45 min; then 2 h 5 min, total 2 h 50 min.

Q20. Answer (C) — 198 sq cm

Area = 18 × 11 = 198 sq cm.

Reasoning Ability & Problem Solving

Q21. Answer (B) — 55

Successive differences are 6, 8, 10, 12; next difference 14 gives 55.

Q22. Answer (D) — 4-15-7

D is 4, O is 15, and G is 7.

Q23. Answer (A) — East

East → left to north → right to east.

Q24. Answer (A) — 48

$16=4^2$, $25=5^2$ and $36=6^2$; 48 is not a square.

Q25. Answer (A) — Sweep

A pen is used to write; a broom is used to sweep.

Q26. Answer (C) — EERT

Reverse the order of the four letters: TREE → EERT.

Q27. Answer (B) — Aunt

Father’s sister is a paternal aunt.

Q28. Answer (A) — A

In alphabetical order the letters start A, D, E, G, N, R.

Q29. Answer (B) — EV

First letters increase A,B,C,D,E; second letters decrease Z,Y,X,W,V.

Q30. Answer (D) — A

The only consistent order is A-B-C-D.

Q31. Answer (D) — 42

Terms are $n(n+1)$, for $n=1,2,3,4,5$; next $6\times7=42$.

Q32. Answer (C) — 20

Substitute the symbols: $8\times3-4 = 24-4 = 20$.

Q33. Answer (D) — 9:20

Mirror time on a 12-hour dial = 11:60 − 2:40 = 9:20.

Q34. Answer (B) — 180°

North and south are opposite directions, so the turn is 180°.

Q35. Answer (B) — All roses are plants

The subset relationship is roses ⊂ flowers ⊂ plants.

Q36. Answer (D) — 34

14, 21 and 28 are multiples of 7; 34 is not.

Q37. Answer (D) — TVX

Each corresponding letter advances by 6: B→H→N→T, D→J→P→V, F→L→R→X.

Q38. Answer (B) — 1-3-5

A=1, C=3 and E=5.

Q39. Answer (D) — E

E is a vowel; B, C and D are consonants.

Q40. Answer (D) — RIVER

RIVER needs two Rs, but CONVERSATION contains only one R.

General Awareness

Q41. Answer (D) — Article 17

Article 17 abolishes untouchability and forbids its practice.

Q42. Answer (C) — Eleventh Schedule

The Eleventh Schedule lists matters that may be entrusted to Panchayats.

Q43. Answer (B) — Part III

Fundamental Rights are enumerated in Part III.

Q44. Answer (C) — Sarnath

The first sermon is traditionally associated with Sarnath near Varanasi.

Q45. Answer (B) — Maharashtra

Ajanta is a historic cave complex in Maharashtra.

Q46. Answer (A) — 23.5° N

The Tropic of Cancer is near 23½ degrees north latitude.

Q47. Answer (B) — Arunachal Pradesh

Arunachal Pradesh lies in India’s far northeast and is commonly known by this name.

Q48. Answer (D) — Godavari

The Godavari is popularly referred to as Dakshin Ganga.

Q49. Answer (D) — Black soil

Black (regur) soil retains moisture and is commonly associated with cotton.

Q50. Answer (A) — Nitrogen

Nitrogen makes up roughly 78% of dry air.

Q51. Answer (A) — Ohm

Resistance is measured in ohms (Ω).

Q52. Answer (B) — Vitamin C

Scurvy is caused by prolonged vitamin C deficiency.

Q53. Answer (B) — Red blood cells

Haemoglobin in red blood cells carries most oxygen in the blood.

Q54. Answer (B) — Carbon dioxide

Plants use carbon dioxide, along with water and light, to make food.

Q55. Answer (B) — NaCl

Table salt is sodium chloride, NaCl.

Q56. Answer (B) — Citric acid

Citrus fruits contain citric acid.

Q57. Answer (D) — Four

There are two atria and two ventricles, making four chambers.

Q58. Answer (B) — Jupiter

Jupiter has the greatest diameter and mass of the planets.

Q59. Answer (D) — Earth’s rotation

Earth’s rotation causes places to face toward or away from sunlight.

Q60. Answer (D) — Nana Sahib

Nana Sahib was a prominent leader associated with the Kanpur uprising.

Q61. Answer (B) — Jawaharlal Nehru

Jawaharlal Nehru wrote The Discovery of India.

Q62. Answer (C) — Paris

The headquarters of UNESCO is in Paris, France.

Q63. Answer (A) — National Statistical Office

The National Statistical Office under MoSPI compiles national accounts statistics.

Q64. Answer (A) — Preamble

These words begin the Preamble to the Constitution.

Q65. Answer (B) — West Bengal

The Indian Sundarbans lie in West Bengal's Ganga delta region.

English Language & Comprehension

Q66. Answer (B) — Plentiful

Abundant means present in large quantities.

Q67. Answer (D) — Careless

Meticulous means extremely careful and detailed; careless is the opposite.

Q68. Answer (B) — She does not like coffee.

After does not, use the base form like; she takes does.

Q69. Answer (B) — on

The standard expression is depend on.

Q70. Answer (B) — astronomer

An astronomer scientifically studies celestial objects.

Q71. Answer (D) — very rarely

The idiom describes an event that happens very infrequently.

Q72. Answer (B) — The bridge was repaired by them.

Simple past active changes to was/were + past participle: was repaired.

Q73. Answer (B) — He said that he was tired.

With past reporting verb said, am commonly changes to was and I to he.

Q74. Answer (C) — accommodate

Accommodate is spelt with double c and double m.

Q75. Answer (D) — an

Honest begins with a vowel sound because h is silent, so use an.

Q76. Answer (D) — criteria

Criterion is singular; criteria is its standard plural form.

Q77. Answer (B) — courageous

Courageous is the adjective meaning brave.

Q78. Answer (B) — This road is narrower than that one.

The comparative of narrow is narrower; it takes than in this comparison.

Q79. Answer (D) — take care of

To look after someone is to care for them.

Q80. Answer (B) — Neither of the answers is correct.

In standard formal agreement, neither of takes singular is.

Q81. Answer (C) — Calm

Tranquil means peaceful or calm.

Q82. Answer (D) — Contract

To expand is to grow or extend; to contract is to become smaller.

Q83. Answer (D) — affect

Affect is the verb meaning influence; effect is usually a noun.

Q84. Answer (B) — The documents have been verified.

Plural documents takes have; the passive perfect is have been verified.

Q85. Answer (B) — She arrived at noon.

Subject + verb + time phrase gives She arrived at noon.

Q86. Answer (A) — Sunday

The passage states the repair table is set up on Sundays.

Q87. Answer (A) — Torn book covers and loose pages

Visitors bring torn book covers and loose pages.

Q88. Answer (B) — When simple repair is not sufficient

They explain when damage requires professional rather than simple repair.

Q89. Answer (B) — Books removed from circulation

The passage states fewer books are removed from circulation.

Q90. Answer (B) — Preserving books and teaching careful handling

The project repairs books and teaches people to protect them.