



NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
Institution Deemed to be University under Distinct Category, A Centrally Funded Technical Institute
Ministry of Education, Government of India, Taramani, Chennai - 600 113.
राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान
विशिष्ट श्रेणी के तहत मानित विश्वविद्यालय संस्थान, एक केंद्रीय वित्त पोषित तकनीकी संस्थान
शिक्षा मंत्रालय, भारत सरकार, तारामणि, चेन्नई - ६०० ११३.

Date of Examination:	25.10.2025	Time: 90 Minutes
Name of the Post:	Junior Secretariat Assistant	
Name of the Candidate:		
Roll No:		

Candidate's Signature

Invigilator's Signature

Instructions to the Candidate:

1. There are 5 parts in this question paper having 20 questions each
2. Out of 4 options given, choose the most appropriate option for each question.
3. Use of Calculators, Cell Phones and Other Electronic Devices are not permitted inside the examination hall.
4. Candidate should fill the details on both question paper booklet and OMR sheet carefully without any corrections.
5. Candidate should carefully read the instructions given on the question paper booklet and OMR sheet.
6. Candidate should mark correct answer only on OMR sheet.
7. Question paper consists of **100 questions**. Questions in the form of **MCQ** type.
8. Each question carrying **one** mark. **No negative mark for wrong answer.**
9. Clarifications on Questions are not permitted.
10. Rough works can be done in the rough sheet provided.
11. No Candidate is allowed to leave the examination hall till the examination is completed.
12. Candidate should return question paper booklet, OMR sheet and the rough sheets after completion of examination to the invigilator.

A. General Intelligence

1. Find the odd one out:

(A) Apple (B) Banana (C) Cherry (D) Carrot

2. Code-Decoding: "In a certain code, PAPER is written as QBQFS. How is TABLE written?"

(A) UBCNF (B) SBAMF (C) UBCMF (D) UBDMF

3. Number series—find the next: 2, 6, 12, 20, ____

(A) 30 (B) 28 (C) 26 (D) 24

4. Mirror image of the letter 'E':

(A) $\exists$ (B) Σ (C) 'E' (D) "F"

5. Dot-pattern series—find next:

● ○ ● ○ ● ____

(A) ○ (B) ● (C) ■ (D) ◇

6. Which figure does not belong to the group?

(A) Triangle (B) Square (C) Circle (D) Cube

7. If it takes 5 machines 5 minutes to make 5 items, how long will it take 100 machines to make 100 items?

(A) 5 minutes (B) 10 minutes (C) 20 minutes (D) 100 minutes

8. All roses are flowers. Some flowers fade quickly. Which conclusion follows?

(A) Some roses fade quickly (B) All flowers are roses (C) Some flowers are roses
(D) Some flowers do not fade quickly

9. Statements: All pens are tools. All tools are useful.

Conclusion:

(A) All pens are useful (B) Some tools are pens (C) Some useful things are pens (D) All of the above

10. A train running at 60 km/h crosses a pole in 30 seconds. What is the length of the train?

(A) 450 meters (B) 600 meters (C) 500 meters (D) 300 meters

11. Which is the correct Assumption: Statement: 'Government should make it compulsory for all private schools to admit poor children.'

Assumption:

(A) Government has the resources to monitor private schools.

(B) Poor children have the right to study in private schools.

(C) Private schools are willing to cooperate.

(D) Only private schools provide quality education.

12. Logical Sequence of Words: 1. Seed, 2. Tree, 3. Fruit, 4. Plant, 5. Flower
(A) 1-4-2-5-3 (B) 1-2-4-5-3 (C) 1-4-2-3-5 (D) 4-1-2-5-3
13. Number Series: 1, 4, 9, 16, 25, ?
(A) 36 (B) 30 (C) 49 (D) 40
14. Pointing to a photo, Rohit says, 'He is the only son of my father's only son.' Relation?
(A) Brother (B) Cousin (C) Father (D) Son
15. Five friends A, B, C, D, E sit in a row. B is right of A but left of C. E is at extreme right and D is left of E. Who is in the middle?
(A) B (B) C (C) D (D) A
16. Missing Number Puzzle:
8 | 3
6 | ?
(A) 2 (B) 3 (C) 5 (D) 6
17. If a paper is folded twice vertically and hole punched at one corner, number of holes when unfolded?
(A) 2 (B) 4 (C) 6 (D) 8
18. Series of Shapes: □, △, ○, □, △, ○, □, ____?
(A) △ (B) ○ (C) □ (D) None
19. In a certain code: TEA = 40, BAT = 39, then, what is the code for CAT?
(A) 42 (B) 40 (C) 41 (D) 44
20. Six people A, B, C, D, E, and F are sitting in a circle. A is to the immediate right of B. C is between D and E. F is sitting third to the left of A.
Who is sitting opposite to B?
(A) C (B) D (C) E (D) F

B. General Awareness

21. In which year NITTTR (National Institute of Technical Teachers Training and Research) Chennai was established originally as TTTI (Technical Teachers Training Institute)?
(A) 1962 (B) 1963 (C) 1964 (D) 1965
22. What was the name of recent military operation in which terrorist camps in Pakistan and Pakistan occupied Kashmir were destroyed by Indian forces?
(A) Operation Midnight Hammer (B) Operation Sindoor (C) Operation Sindhu
(D) Operation Kumkum

23. Which type of passenger aircraft met with an accident in Ahmadabad on 12th June 2025
(A) B-737 max (B) B-747 (C) B-777 (D) B-787
24. How many Indian Institute of Technologies (IITs) are there in India at present?
(A) 21 (B) 22 (C) 23 (D) 24
25. Which is the world's largest desert?
(A) Antarctic Desert (B) Sahara Desert (C) Arabian Desert (D) Gobi Desert
26. Who is the current Secretary-General of the United Nations (as of 2025)?
(A) António Guterres (B) Ban Ki-moon (C) Kofi Annan (D) Javier Pérez de Cuéllar
27. Which is the largest river in the world by length?
(A) Nile (B) Amazon (C) Yangtze (D) Mississippi
28. What is the currency of Japan?
(A) Yuan (B) Won (C) Yen (D) Dollar
29. Who was the first President of independent India?
(A) Jawaharlal Nehru (B) Dr. Rajendra Prasad (C) Sardar Vallabhbhai Patel (D) Dr. S. Radhakrishnan
30. Which of the following is the smallest continent by land area?
(A) Europe (B) Australia (C) Antarctica (D) South America
31. Who is known as the "Missile Man of India"?
(A) Vikram Sarabhai (B) A.P.J. Abdul Kalam (C) Homi Bhabha (D) Satish Dhawan
32. Which Article of the Indian Constitution deals with the amendment procedure?
(A) Article 352 (B) Article 368 (C) Article 370 (D) Article 395
33. Which of the following is NOT a member of the G7 group of nations?
(A) Canada (B) Italy (C) Japan (D) India
34. In economics, which of the following best describes 'stagflation'?
(A) High inflation and high growth (B) Low inflation and low growth
(C) High inflation and high unemployment (D) Low inflation and high employment
35. Which international organization publishes the "World Economic Outlook" report?
(A) World Bank (B) IMF (C) WTO (D) UNDP
36. Which country is the largest producer of Uranium in the world (as per latest data till 2024)?
(A) Canada (B) Russia (C) Australia (D) Kazakhstan
37. Who was the first Indian woman to win an individual Olympic silver medal?
(A) Mary Kom (B) P. V. Sindhu (C) Karnam Malleswari (D) Saina Nehwal

38. Which constitutional body conducts elections for President and Vice President in India?

- (A) Election Commission of India (B) Lok Sabha Secretariat (C) Supreme Court of India
(D) Ministry of Home Affairs

39. Which Indian city is known as the "Manchester of the East"?

- (A) Mumbai (B) Surat (C) Ahmedabad (D) Kolkata

40. Which ancient Indian text is considered the oldest known treatise on statecraft and economics?

- (A) Manusmriti (B) Arthashastra (C) Ramayana (D) Rigveda

C. Quantitative Aptitude

41. If $(m)^n = 32$ where m and n are positive integers, then the value of $(n)^{mn}$ is:

- (A) 32 (B) 25 (C) 5^{10} (D) 5^{25}

42. If 12% of 80% of 50% of a number is 1944, then the number is:

- (A) 39500 (B) 40500 (C) 42500 (D) 41500

43. A number is twice a second number which in turn is 3 times the third number. Find the ratio of the series.

- (A) 6 : 3 : 1 (B) 2 : 3 : 5 (C) 2 : 3 : 6 (D) 2 : 4 : 7

44. If $3\sqrt{5} + \sqrt{125} = 17.88$, then what will be the value of $\sqrt{80} + 6\sqrt{5}$?

- (A) 13.41 (B) 20.46 (C) 21.66 (D) 22.35

45. Mihir's capital is $\frac{5}{4}$ times more than Tulsi's capital. Tulsi invested her capital at 50 % per annum for 3 years (compounded annually). At what rate % p.a. simple interest should Mihir invest his capital so that after 3 years, they both have the same amount of capital?

- (A) $\frac{20}{3}$ % (B) 10 % (C) $\frac{50}{3}$ % (D) 1.728 %

46. The selling price of two bicycles each is Rs. 3990, one with a gain of 54% and another with a loss of 5%. What is the loss and gain transaction on the total transaction?

- (A) No gain and no loss (B) 2.55 loss (C) 0.25% loss (D) 2.55% gain

47. P & Q invested in a business. The profit earned was divided in the ratio 2:3. If P invested Rs 40000, the amount invested by Q is:

- (A) Rs 40000 (B) Rs 50000 (C) Rs 60000 (D) Rs 70000

48. Amit and Aman have to travel from Delhi to Jaipur in their respective cars. Amit is driving at 60 kmph while Aman is driving at 90 kmph. Find the Time taken by Aman to reach Jaipur if Amit takes 9 hrs.

(A) 6hours (B) 7 hours (C) 6hours 35 min (D) 7 hours 30 min

49. If $(x + 1/x) = 4$, then $(x^2 + 1/x^2)$ is:

(A) 12 (B) 16 (C) 14 (D) 18

50. The pair of linear equations $3x + 5y = 3$, $6x + ky = 8$ do not have any solution if –

(A) $k = 5$ (B) $k = 10$ (C) $k \cong 10$ (D) $k \cong 5$

51. In two triangles DEF and PQR, if $DE = QR$, $EF = PR$ and $FD = PQ$, then

(A) $\triangle DEF \cong \triangle PQR$ (B) $\triangle FED \cong \triangle PRQ$ (C) $\triangle EDF \cong \triangle RPQ$ (D) $\triangle PQR \cong \triangle EFD$

52. If $ABC \sim EDF$ Δ and ABC is not similar to DEF, then which of the following is not true?

(A) $BC \times EF = AC \times FD$ (B) $AB \times EF = AC \times DE$ (C) $BC \times DE = AB \times EF$ (D) $BC \times DE = AB \times FD$

53. If a chord of length 10 cm is drawn in a circle of radius 13 cm, the distance of the chord from the center of the circle is:

(A) 8 cm (B) 10 cm (C) 12 cm (D) 14 cm

54. Find the ratio of the measure of angle of a regular pentagon to the measure of the angle of regular octagon.

(A) 7:8 (B) 5:6 (C) 4:6 (D) 4:5

55. If the volumes of two right circular cylinders are equal and their heights are in the ratio 1:2, then the ratio of their radii is:

(A) 1:2 (B) 2:1 (C) $\sqrt{2}:1$ (D) $1:\sqrt{2}$

56. If the radius of a hemisphere is increased to $2r$, what happens to its volume?

(A) It doubles (B) It quadruples (C) It becomes eight times larger (D) It remains the same

57. If $3\tan\theta = 4$, what is the value of $(3\sin\theta + 2\cos\theta) / (3\sin\theta - 2\cos\theta)$?

(A) 3 (B) 5 (C) 6 (D) 7

58. If the length of the shadow of a tree is decreasing then the angle of elevation is:

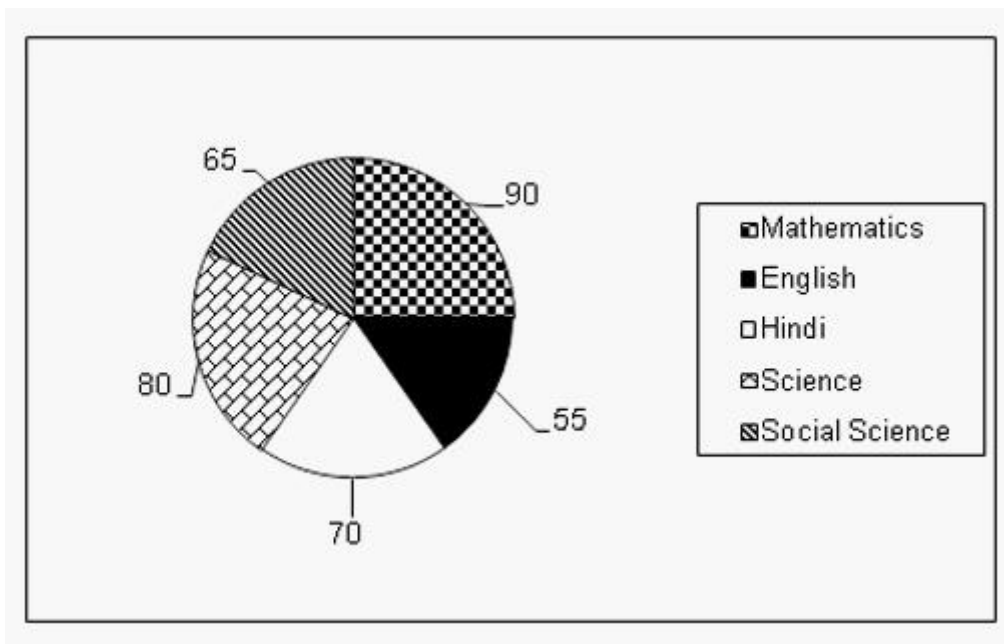
(A) Increasing (B) Decreasing (C) remains the same (D) none of the above

59. What is the key feature of a frequency polygon that distinguishes it from a histogram?

- (A) Histograms use bars, while frequency polygons use lines.
- (B) Histograms represent class intervals, while frequency polygons represent class midpoints.
- (C) Both use lines to connect data points.
- (D) Histograms can only be used for continuous data.

60. The given pie chart shows the marks scored by a student in different subjects- English, Hindi, Mathematics, Science and Social Science in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



Total marks scored in Social Science and English is

- (A) 400 (B) 350 (C) 500 (D) 300

D. General English

61. Choose the correct synonym for the word "Abundant":

- (A) Plenty (B) Scarce (C) Tiny (D) Unusual

62. Choose the correct antonym for the word "Generous":

- (A) Kind (B) Miserly (C) Charitable (D) Helpful

63. Select the correct preposition: She is good ____ mathematics.

- (A) in (B) on (C) at (D) of

64. Find the correct meaning of the idiom: "Once in a blue moon"

- (A) Very often (B) Rarely (C) Daily (D) Always

65. Which of the following is a noun?
(A) Quickly (B) Honesty (C) Beautiful (D) Run
66. Pick the correct phrasal verb: He ____ the offer due to personal reasons.
(A) turned down (B) turned out (C) turned up (D) turned on
67. Identify the type of sentence: "What a beautiful day!"
(A) Assertive (B) Imperative (C) Interrogative (D) Exclamatory
68. Select the correct question tag: She is coming, ____?
(A) isn't she (B) is she (C) didn't she (D) won't she
69. Choose the correctly spelled word:
(A) Acquiesce (B) Akwiesce (C) Acquiese (D) Ackeiese
70. Antonym of "Inadvertent"
(A) Accidental (B) Intentional (C) Passive (D) Casual
71. Identify the figure of speech in the sentence: "The silence was deafening."
(A) Metaphor (B) Personification (C) Oxymoron (D) Simile
72. Which word is the closest synonym to "Ephemeral"?
(A) Permanent (B) Lasting (C) Short-lived (D) Strong
73. Find the correct meaning of the idiom: "To bell the cat":
(A) To take a risk (B) To do an impossible task (C) To trick someone (D) To fight bravely
74. Identify the grammatical error: "Hardly had he arrived when the meeting started."
(A) No error (B) Replace "when" with "than" (C) Replace "had" with "has"
(D) Replace "started" with "starts"
75. Identify the correct indirect speech:
Direct: He said, "Let us go for a walk."
(A) He suggested that we should go for a walk. (B) He said let us go for a walk.
(C) He asked that we must go for a walk. (D) He told to go for a walk.
76. Which sentence is in the subjunctive mood?
(A) If I were rich, I would travel the world. (B) I am rich, so I travel the world.
(C) I was rich, and I traveled the world. (D) If I am rich, I will travel the world.
77. Which sentence is in the correct order (active voice)?
(A) The song was being sung by her. (B) She was singing the song.
(C) The song is sung by her. (D) The song will be sung by her.
78. Choose the correct article: He is ____ European by birth.
(A) a (B) an (C) the (D) no article

79. Identify the error in the sentence: "Each of the boys were given a prize."

(A) Each of the boys (B) were given (C) a prize (D) No error

80. Choose the correct word for the blank: He is known for his ____ behavior.

(A) educative (B) economic (C) ecstatic (D) eccentric

E. Computer Proficiency

81. What does CPU stand for?

(A) Central Performance Unit (B) Central Processing Unit (C) Computer Processing Unit
(D) Central Program Unit

82. Which of the following is a web browser?

(A) Microsoft Word (B) Adobe Photoshop (C) VLC Media Player (D) Google Chrome

83. Which of the following is a volatile memory?

(A) ROM (B) Hard Disk (C) RAM (D) Pen Drive

84. Which programming language is used for web development?

(A) HTML (B) MS Word (C) Excel (D) Photoshop

85. Which function key is used to refresh a webpage?

(A) F2 (B) F3 (C) F5 (D) F12

86. Which of the following is not an operating system?

(A) Windows (B) Linux (C) Oracle (D) MacOS

87. Which device is used to convert hard copies into digital form?

(A) Printer (B) Monitor (C) Speaker (D) Scanner

88. What does HTTP stand for?

(A) HyperText Transfer Protocol (B) High Transmission Text Protocol
(C) Hyper Terminal Transfer Program (D) HyperText Transfer Program

89. Which type of memory is used for permanent data storage?

(A) RAM (B) Cache (C) ROM (D) Register

90. Which symbol is used before a formula in Excel?

(A) = (B) + (C) – (D) @

91. Which layer of the OSI model is responsible for encryption and decryption?

(A) Network Layer (B) Transport Layer (C) Presentation Layer (D) Application Layer

92. Which SQL command is used to remove a record from a database table?

(A) SELECT (B) DELETE (C) UPDATE (D) INSERT

93. In Excel, which function returns the current date and time?

(A) NOW() (B) DATE() (C) TIME() (D) TODAY()

94. Which protocol is used to send e-mails?
(A) HTTP (B) FTP (C) SMTP (D) SNMP
95. Which shortcut key is used for 'Find and Replace' in Microsoft Word?
(A) Ctrl + F (B) Ctrl + H (C) Ctrl + R (D) Ctrl + G
96. Which file system is used by Windows 10 by default?
(A) FAT32 (B) NTFS (C) exFAT (D) HFS+
97. Which programming language is considered a low-level language?
(A) Python (B) C++ (C) Assembly Language (D) Java
98. Which protocol is used for secure file transfer over a network?
(A) FTP (B) SFTP (C) HTTP (D) Telnet
99. Which MS Excel function is used to count only numeric values in a range?
(A) COUNTA() (B) COUNT() (C) COUNTIF() (D) SUM()
100. What does VPN stand for?
(A) Virtual Personal Network (B) Virtual Program Network
(C) Virtual Public Network (D) Virtual Private Network

Junior Secretariat Assistant - Answer Key

Question No.	Answer	Question No.	Answer
1	D	51	B
2	C	52	C
3	B	53	C
4	A	54	D
5	A	55	C
6	D	56	C
7	A	57	A
8	D	58	A
9	D	59	A
10	C	60	D
11	B	61	A
12	A	62	B
13	A	63	C
14	D	64	B
15	A	65	B
16	B	66	A
17	B	67	D
18	A	68	A
19	C	69	A
20	D	70	B
21	C	71	C
22	B	72	C
23	D	73	B
24	C	74	B
25	A	75	A
26	A	76	A
27	A	77	B
28	C	78	A
29	B	79	B
30	B	80	D
31	B	81	B
32	B	82	D
33	D	83	C
34	C	84	A
35	B	85	C
36	D	86	C
37	B	87	D
38	A	88	A
39	C	89	C
40	B	90	A
41	C	91	C
42	B	92	B
43	A	93	A
44	D	94	C
45	C	95	B
46	C	96	B
47	C	97	C
48	A	98	B
49	C	99	B
50	B	100	D