



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY
THIRUVANANTHAPURAM—695 011, INDIA.
(An Institute of National Importance under Govt. of India)
Phone—(91)0471—2443152 Fax—(91)0471—2446433, 2550728
Email—sct@sctimst.ac.in Web site—www.sctimst.ac.in

16 pages

ROLL NUMBER

WRITTEN TEST FOR THE POST OF UPPER DIVISION CLERK - A

DATE: 22/02/2025

TIME: 10 am To 11.30 am

DURATION: 90 MINUTES

Total Marks: 100

INSTRUCTIONS TO THE CANDIDATES

1. Write your Roll Number on the top of the Question Booklet and in the **OMR** sheet.
2. Each question carries **one (1)** mark.
3. There will be no Negative Marking.
4. Each question carries 4 options i.e., **A, B, C & D**. Darken completely, the bubble corresponding to the most appropriate answer using **blue or black ball point pen**.
5. Marking more than one option will invalidate the answer.
6. Candidate should sign in the **question paper** and **OMR** sheet.
7. No clarifications will be given.
8. Candidate should hand over the **OMR** sheet and the identity certificate to the invigilator before leaving the examination hall.

Signature of the Candidate

[Handwritten signature]

o/c

Fill in with the correct preposition (Q. no 1-4):

1. I was brought up my aunt
A. on B. in C. of D. by
2. The film was directed Michael Bray
A. on B. in C. of D. by
3. What is the sense looking for an explanation?
A. on B. in C. of D. by
4. Which day..... the year were you born?
A. on B. in C. of D. by
5. Pick the correct spelling:
A. Entrepreneur C. Entrepreneur
B. Entrepruener D. Entreprenur
6. Pick the correct spelling:
A. Plagiarism C. Plagiarisum
B. Plagarism D. Plagarisem
7. Which of the following sentences has the correct punctuation?
A. The dog, that barked all night long, was finally quiet.
B. The author, who won the award, is known for her novel, "The God of small things".
C. She, enjoys reading books; especially mystery novels, and thrillers
D. To succeed in life; one must balance work and personal time, effectively
8. Which of the following sentences is correct?
A. The different groups of students is on a trip
B. Each of the dogs have their own toys.
C. Neither of the two children was selected
D. The Indian team have won the cricket finals
9. Rema said to her mother, "please give me milk". How will you report this?
A. Rema told her mother to give me milk
B. Rema asked her mother to give her milk
C. Rema requested her mother to take milk
D. Rema said to her mother to drink milk
10. "Embezzlement of money" : choose the most appropriate alternate word
A. Theft C. Misappropriation
B. Loot D. Larceny

Read the following paragraph and fill in the blanks from the options given in Q Nos 11 to 15(as marked near the blank)

My five years of staying in Europe and America had completely (11) out of my mind any consciousness that I was an untouchable and that (12) untouchable (13) he went in India was a problem to himself and to others, Ambedkar recounted later. In a (14) about where to stay, Ambedkar found himself at a Parsi-owned inn that was only open to members of the Parsi community. With no other options and perhaps recalling how his friend Naval Bhathena had embraced him without prejudice, he decided to bribe the receptionist and have his name entered in the register as a Parsi. The (15) however, failed.

11.
 A. held
 B. wiped
 C. turned
 D. carried
12.
 A. an
 B. the
 C. a
 D. this
13.
 A. However
 B. Whenever
 C. Wherever
 D. Whatever
14.
 A. Frustration
 B. Conflict
 C. Despair
 D. Dilemma
15.
 A. Disagreement
 B. Decision
 C. Deception
 D. Development

Fill in with the most appropriate option given (Q Nos. 16 & 17)

16. We must be prepared for aof this action
 A. Fall off
 B. Fall out
 C. Fall with
 D. Fall in
17. Can you tell which is ... and which is the real sample?
 A. Genuine
 B. Fake
 C. Contraband
 D. Adulterated
18. In the following sentence, 4 words or phrases are underlined. Choose the incorrect one
 Either a doctor or a nurse (A) is (B) always on hand (C) in (D) this hospital
19. In the following sentence, 4 words or phrases are underlined. Choose the incorrect one
 He isn't (A) as efficient (B) now (C) as he was 10 years before (D)

Each of the following words(Q nos 20-22) is followed by 4 likely synonyms, choose the INCORRECT one

20. Deprecate
 A. Belittle
 B. Denigrate
 C. Liquidate
 D. Minimise
21. Altercate
 A. Mediate
 B. Argue
 C. Bicker
 D. Squabble
22. Preclude
 A. Exclude
 B. Avert
 C. Forestall
 D. Permit
23. Select the correct pair of words which are related in the same way as the capitalised words are related to each other:
 URGE: INSIST
 A. Request: Hound
 B. Plead: Beg
 C. Refuse: Decline
 D. Finish: Begin

24. Select the incorrect word among those underlined

The reason (A) that the book sells well (B) is due to (C) it is according to the (D) syllabus

25. _____ farsightedness, she built a new India.

- A. With little
B. Endowed with
C. Blessed in
D. Conferred in

26. Anamalai tiger resort is situated in:

- A. Karnataka
B. Tamil Nadu
C. Andhra Pradesh
D. Kerala

27. Euclid space telescope to explore the expansion of the universe belongs to

- A. NASA
B. ISRO
C. European space agency
D. China national space administration

28. Which of the following is true about the Finance Commission (FC) of India,

- A. Constituted by the Parliament every 5 years
B. Consists of a chairperson and 4 other members nominated by the President of India
C. The 16th finance commission is chaired by Ms. Nirmala Seetharaman
D. All recommendations of the FC are binding on the Government

29. iGOT Karmayogi is an online training programme:

- A. for the farmers
B. for central Govt employees
C. for Bank Officers
D. for tribal development

30. Which of the following is not a core mission of the National Action Plan on Climate Change of GOI

- A. National Solar Mission
B. National Mission for sustainable agriculture
C. National Mission on sustainable habitat
D. National Mission for rejuvenation and urban transformation

31. The Kheda Satyagrah in Gujarat launched by Mahatma Gandhi was to support the cause of

- A. Cotton Mills
B. Coal mine workers
C. Peasants
D. Indigo farmers

32. Which was the only Indus Valley site with an artificial brick dockyard

- A. Lothal
B. Mohenjo-daro
C. Harappa
D. Kalibangan

33. To which dynasty do the rock carvings of Mahabalipuram relate to?

- A. Chalukya
B. Pandya
C. Pallava
D. Chera

34. Charaideo was the first capital of which Indian dynasty?

- A. Chalukya
B. Mughal
C. Koch
D. Ahom

35. The "statue of valour" is in honour of which historical leader?

- A. Lachit Borphukan
B. Chaolung Sukaphaa
C. Sardar Vallabhbhai Patel
D. Prithviraj Chauhan

36. The Temple entry Proclamation was issued by Maharaja Chithira Tirunal Balarama Varma in the year
- A. 1932 B. 1940 C. 1936 D. 1947
37. The Sree Chitra Tirunal Institute was declared as an Institute of National importance by which Act of Parliament:
- A. Act 52 of 1980 C. Act 30 of 1975
B. Act 34 of 1977 D. Act 29 of 1951
38. Which of the following states of India has the largest area:
- A. Madhya Pradesh C. Uttar Pradesh
B. Rajasthan D. Tamil Nadu
39. Pearl millet is
- A. Ragi B. Jowar C. Bajra D. Makka
40. The Nicobar is home to a vulnerable tribal group who live in the interior, called
- A. Nicobarese C. Shompen
B. Jarawa D. Dimasa
41. Which of the following is not there on the World Heritage site list of UNESCO?
- A. Kashi Vishwanath Temple, Varanasi
B. Mahabodhi Temple, Gaya
C. Rani ka Vav, Gujarat
D. Shantiniketan, Bengal
42. The indigenously developed automatic train collision protection system of the Indian Railways is named:
- A. Rakshak C. Kavach
B. Ajeya D. Bheeshma
43. The first woman from India who was appointed as International Cricket Council's panel of match referees, is
- A. Mithali Raj C. Anjum Chopra
B. GS Lakshmi D. Vrinda Rathi
44. The correct term that corresponds to fertilizers, among the following revolutions is:
- A. Green Revolution C. Green Gold revolution
B. Grey revolution D. Silver revolution
45. National Sample Survey Office (NSSO)'s Household consumer expenditure survey (HCES) annual series of surveys of household expenditure takes the reference period of 365 days for which of the following items:
- A. Edible oil, Fish & meat, egg
B. Vegetables, fruits, spices, beverage & processed food
C. Other food items, fuel, miscellaneous goods and services.
D. Food, clothing, housing (rent), energy, transport
46. National multi-dimensional poverty index of India was released by the:
- A. Ministry of social justice and Empowerment
B. Niti Ayog
C. Ministry of Labor and Employment
D. World Bank

Handwritten signature

47. The 2024 Nobel prize in Physiology/Medicine was awarded to Victor Ambrose and Gary Ruvkun for their discovery of:

- A. mRNA vaccine against COVID-19
- B. Genomes of extinct hominins and human evolution
- C. Receptors for temperature and touch
- D. microRNA and their role in gene regulation

48. Sree Chitra Tirunal Institute for Medical Sciences & Technology is renowned and popularly associated with the development of which artificial device, regarding the heart?

- A. Stent
- B. Valve
- C. Pacemaker
- D. Probe

49. Spread of Mpox is via

- A. Close skin to skin contact
- B. Human to human Respiratory spread
- C. Faeco-oral route
- D. Swimming pools

50. Which among the following would cause a bright red colour when bursting crackers?

- A. Strontium
- B. Magnesium
- C. Sodium
- D. Copper

51. Five skits are to be staged, A, B, C, D and E, from Monday to Friday. Each day, only one skit can be staged. D or E should not be the first or last to be staged. E should be immediately followed by C. B should be staged immediately after D. One play is staged between A and B. Which is the first play to be staged?

- A. A
- B. B
- C. C
- D. D

52. Syllogistic arguments are usually represented in a three-line form.

All men are mortal.
Socrates is a man.
Therefore, Socrates is mortal.

Complete the syllogism: Some actors are singers. All the singers are dancers

- A. Some actors are dancers
- B. Some dancers are singers
- C. All dancers are actors
- D. Some singers are dancers

53. Fill in the next number in the series: 138, 161, 185, 210, _____

- A. 211
- B. 165
- C. 236
- D. 226

54. If a person reads a lot, he will increase his vocabulary. In doing so, he will increase his speaking and writing power. Which sentence below will strengthen this argument for reading?

- A. Writing fast is essential to pass competitive exams.
- B. A person with a limited vocabulary is one who does not read much.
- C. Speaking well depends on writing well.
- D. Everyone must study English

Handwritten signature

55. According to Darwin, only the fittest will survive. What do you understand from this?
- Powerful animals will survive anywhere
 - Muscle building is essential for humankind for survival
 - Adapting into your environment is essential for survival
 - Darwin believed that all animals are fit.
56. On the basis of the following data, answer the questions that follow:
 A cube has six sides: Blue, Brown, Black, White, Red and Green
 Red side is opposite to Black. Green is between Red and Black. Blue is next to Green.
 Brown is between Blue and White.
 The side opposite Brown is
- White
 - Blue
 - Black
 - Green
57. What is the premise on which the following inference is based:
 "He cannot walk properly because he is lame"
- People who cannot walk are called lame
 - All who cannot walk properly are lame
 - Some who cannot walk are lame
 - No lame person can walk properly
58. What is the premise on which the following inference is based:
 Psychology is a science because it is systematic
- All systematic things are science
 - Science is always systematic
 - Systematic subjects become science
 - Some sciences are systematic
59. Which of the following is based on the same logic as the sentence below?
 "If he wins the race, he will get the prize"
- If the plane crashes, all will die
 - If it is cloudy, it will rain
 - If he sells well, he will get promoted
 - If he drives fast, he will not be late
60. Which of the following is based on the same logic as the sentence below?
 "They also serve who stand and wait"
- Those who ride must fall
 - Trees without fruit are useful
 - Those who do not fight also win
 - Those who pretend to sleep, cannot be awoken
61. Put the following sentences in the correct order to form a para:
- The way was Ahimsa
 - India led the way to freedom
 - Other nations of the world followed our method
 - We achieved freedom
- III, I, IV, II
 - IV, I, III, II
 - II, I, IV, III
 - I, II, III, IV
62. A solid cone of base radius 3cm and height 12cm is transformed into a sphere. What is the diameter of the transformed sphere?
- 3
 - 4
 - 6
 - 8

63. Find the remainder when 4^{96} is divided by 6.
 A. 0 B. 2 C. 3 D. 4
64. A work can be completed by 30 men in 18 days. Four days after the starting of work, 40 men joined them. How many days will they now take to complete the remaining work?
 A. 5 days C. 7 days
 B. 6 days D. 8 days
65. If $2x - 5y = -12$ and $3x + 7y = 11$, find $2xy$.
 A. -4 B. -2 C. 1 D. 2
66. Complete the sequence 2,4,7,12,19,____
 A. 29 B. 30 C. 31 D. 32
67. A boy subtracted 25 from the number 100 instead of adding to it. What percentage of right answer will be the wrong answer?
 A. 25% B. 40% C. 50% D. 60%
68. The Highest Common Factor (HCF) of $\frac{3}{10}$, $\frac{12}{25}$, $\frac{18}{35}$, $\frac{21}{40}$ is
 A. $\frac{3}{5}$ C. $\frac{3}{1400}$
 B. $\frac{63}{700}$ D. $\frac{252}{5}$
69. A train which is 250m long take 12sec to cross a man running at the speed of 7kmph in the direction opposite to the train. Find the speed of the train.
 A. 65 C. 70
 B. 68 D. 72
70. The sum of first 55 natural numbers is _____.
 A. 1540 C. 3025
 B. 2970 D. 3080
71. An amount P is on simple interest at a particular rate for 7 years. If P was at 2% higher interest rate, the person would have fetched 420 dollars more. Find the amount P.
 A. 2940
 B. 4200
 C. 5000
 D. 3000
72. What does Rs. 250 amounts to in 2 years with compound interest at the rate of 4% in the first year and 8% in the second year?
 A. 280 C. 290.80
 B. 280.80 D. 468
73. If $\sqrt{7x} = \sqrt{15y}$, find the value of $\frac{x^2+y^2}{x^2-y^2}$. $\frac{x^2+y^2}{x^2-y^2}$ *Handwritten*
 A. $\frac{11}{4}$ C. $\frac{33}{4}$
 B. $\frac{22}{4}$ D. $\frac{21}{8}$
74. If $2^{x-y} = 64$ and $2^{x+y} = 256$, find the value of x
 A. 5 B. 6 C. 7 D. 8
75. The difference between a two-digit number and the number obtained by interchanging the digits is three times the sum of the digits. Find a possible number.
 A. 32 B. 38 C. 40 D. 42
76. The tank A contains 90 litres mixture of milk and water in the ratio 2:1, respectively. If 10 litres of water is added and then 30 litres of the mixture is transferred into tank B, find the ratio of milk to water in tank B.
 A. 1:2 C. 3:2
 B. 2:3 D. No change

Handwritten mark

77. The average marks of five students A, B, C, D and E is 40. The average marks of A and B is 30, and the average marks of C and D is 46. If A got 8 marks less than E, find the marks of A.

- A. 38 B. 40 C. 42 D. 44

78. The difference of a positive number and its reciprocal is half of the sum of the number and its reciprocal. The number is:

- A. $\pm 1/\sqrt{3}$ C. $\pm \sqrt{3}/1$
B. $\pm 2/\sqrt{3}$ D. $\pm \sqrt{3}/2$

79. A man brought an item at 30% discount on its original price. He sold the item at 30% higher than the price he brought. The new price will be what percentage less than the original price?

- A. 7% C. 10%
B. 8% D. None of the above

80. What is the value of $(527+255)^2 + (527-255)^2 / 527^2+255^2$

- A. 1 B. 2 C. 527 D. 255

81. If $2^{x-y}=64$ and $2^{x+y}=256$, the value of x is

- A. 6 B. 7 C. 8 D. 9

82. In 12 years, Rahul will be twice as old as Syam was 10 years ago. If Rahul is now 7 years older than Syam, what is the age of Rahul?

- A. 25 B. 32 C. 39 D. 46

83. If the length of a rectangle is increased by 10% and width is decreased by 40%, find the change in the area.

- A. Decrease by 26%
B. Decrease by 30%
C. Decrease by 34%
D. Decrease by 50%

84. A tower of 18 meters height makes the angle of elevation of 60° with the foot of an electric pole and 30° with the top of the electric pole. The length of the electric pole is:

- A. 12 B. 15 C. 16 D. 24

85. Find the value of x if 55% of 1200 + 45% of 1600 = $x\%$ of 3450.

- A. 30 B. 35 C. 40 D. 50

86. A box contains 8 black and 12 white balls. The probability of drawing two balls of the same colour is:

- A. $1/10$
B. $1/48$
C. $23/95$
D. $47/95$

Comprehension questions: Answer following questions based on what you understand by the passage.

The world has come around to the view that democracy is essential for full human development. And only education and skill development can make this possible. Democracy cannot be sustained unless the electorate is well informed, chooses its leadership wisely, and this

leadership is intellectually empowered by a multi-dimensional intelligence. The world view of economic development has completely changed: it is no longer believed to be driven by human labor, as Karl Marx said, or by capital, as Alfred Marshall stated, but is knowledge-driven. For application of knowledge, innovations are required, and for more original research, we need many more young minds at the frontier. Knowledge is gender neutral, and hence the 21st century offers a great opportunity to level the gender inequity of the last thousand years in India. (QNo.87,88,89).

87. According to the passage, democracy cannot be sustained in a country without:

- A. Economic development
- B. Education and skill development
- C. Rural and urban development
- D. Technological development

88. An empowered intellectual leadership involve:

- A. Logical intelligence
- B. Interpersonal intelligence
- C. Multi dimensional intelligence
- D. Intra-personal intelligence

89. According to the passage, in a country economic development is driven by:

- A. Human labor
- B. Capital
- C. Infrastructure
- D. Knowledge

Everything we do leaves a digital footprint. Big data has emerged as a buzzword in recent years. Broadly, it means a large amount of information that is generated as trails or by-products of online and offline activities — what we purchase using credit cards, where we travel via GPS, what we ‘like’ on Facebook or retweet on Twitter, and so on. Today, the Data as a Service (DaaS) movement is gaining momentum, spurring one of the fastest growing industries in the world. A somewhat **nebulous** term, DaaS refers to the **myriad** functions that technology serves. Clearly, big data holds vast potential to favourably impact the global socio-economic environment. But is it being used as a signalling device for effective policy changes? (Q No.90-92)

90. According to the above passage, the myriad functions that technology serves is condensed as

- A. JAM
- B. FB
- C. DaaS
- D. GPS

91. What is meant by a digital footprint?

- A. Using a computer with your foot
- B. Making a digital image of your foot
- C. Taking printouts and sharing
- D. Data trails generated by use of social media

92. "But is it being used as a signalling device for effective policy changes?" This sentence can be understood as:
- A. Data collected being used to change the way the Government works
 - B. Data collected being used to change corporate management
 - C. Data collected being used for international market
 - D. Data collected being used by the police to fight crime
93. The act which provided a separate communal electorate for the Muslims
- A. The Minto Morley reforms 1909
 - B. Montague Chelmsford reforms 1919
 - C. The Act of 1892
 - D. The Act of 1935
94. The two pillars of Gandhian Philosophy are
- A. Bravery and sympathy
 - B. Fasting and praying
 - C. Truth and non-violence
 - D. Heroism and leadership
95. The Parliament passed the Prevention of sexual harassment at the workplace Act in
- A. 2000
 - B. 2006
 - C. 2013
 - D. 2023
96. Ethanol mixed with Methanol, forms
- A. Rectified Spirit
 - B. Methylated Spirit
 - C. 70% isopropyl Alcohol
 - D. Absolute Alcohol
97. The change of frequency experienced by the receiver because of the relative motion of the source is called
- A. Butterfly Effect
 - B. Chain reaction
 - C. Doppler effect
 - D. Resonance effect
98. Right to property is now a
- A. Civil right
 - B. Fundamental right
 - C. Legal right
 - D. Constitutional right
99. Following are the chambers of the heart, except
- A. Atrium
 - B. Mitral
 - C. Left ventricle
 - D. Right Ventricle
100. Hotbot is a
- A. AI Chat
 - B. Browser
 - C. A robot
 - D. Network

Handwritten signature

SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY

THIRUVANANTHAPURAM—695 011, INDIA.

(An Institute of National Importance under Govt.of India)

Phone—(91)0471—2443152 Fax—(91)0471—2446433, 2550728

Email-sct@sctimst.ac.in Web site—www.sctimst.ac.in

Key to UDC Recruitment 2025

1. D	35. A	69. B
2. D	36. C	70. A
3. B	37. A	71. D
4. C	38. B	72. B
5. C	39. C	73. A
6. A	40. C	74. C
7. B	41. A	75. D
8. C	42. C	76. C
9. B	43. B	77. B
10. C	44. B	78. C
11. B	45. D	79. D
12. A	46. B	80. B
13. C	47. D	81. B
14. D	48. B	82. D
15. C	49. A	83. C
16. B	50. A	84. A
17. B	51. A	85. C
18. C	52. A	86. D
19. D	53. C	87. B
20. C	54. B	88. C
21. A	55. C	89. D
22. D	56. D	90. C
23. A	57. D	91. D
24. C	58. A	92. A
25. B	59. C	93. A
26. B	60. B	94. C
27. C	61. C	95. C
28. B	62. C	96. B
29. B	63. D	97. C
30. D	64. B	98. C
31. C	65. A	99. B
32. A	66. B	100. A
33. C	67. D	
34. D	68. C	

Kan E