



Tripura University

Suryamaninagar-799022, Tripura (W)

Name of the Examination

Written Test for the post of Laboratory Assistant

Registration No. _____

Roll No. _____

Date of Birth (in figure) : _____

(in word) _____

Signature of the Candidate _____

Date : _____

Signature of the Superintendent

Signature of the Invigilators

S.N Question and choices

Select the most appropriate synonym for the following word from the given choices,

1. hind
(a) fore (b) rear (c) anterior (d) ventral
2. discrete
(a) leave (b) diminish (c) squander (d) distinct
3. propinquity
(a) habit (b) nearness (c) capacity (d) tendency
4. lure is most similar to
(a) tickle (b) suspect (c) resist (d) decoy

Which word is most dissimilar in meaning to the word provided?

5. pristine
(a) free (b) sullied (c) wide (d) thorough
6. protean
(a) unformed (b) unchanging
(c) elaborate (d) selective
7. indolent
(a) industrious (b) complimentary
(c) native (d) smooth
8. ecumenical is most dissimilar to
(a) spiritual (b) humanistic
(c) secular (d) parochial

Choose the alternative which best expresses the meaning of the idiom/phrase as your answer,

9. Ball is in your court

- (a) Request someone to return your belonging.
- (b) To tell someone politely about his/her mistake.
- (c) Put the blame on the other person.
- (d) It is up to you to make the next decision or step.

10. Beat around the bush

- (a) Talk bad about a person, often in the absence of that person .
- (b) It is wise to ignore hard ships and continue with your task.
- (c) To treat a topic, but omit its main points, often intentionally.
- (d) Spend a fun jovial time.

11. To go to somebody's head

- (a) To complain to the highest authority
- (b) To make the person think that they are very important that makes them less pleasant person
- (c) To have a huge ego.
- (d) To make someone dizzy or slightly drunk. Answer »

12. Ended in a fiasco

- (a) A successful event.
- (b) Twisted around.
- (c) A complete failure.
- (d) Changed one completely.

13. To heave a sigh of relief

- (a) To suddenly feel very happy because something unpleasant has not happened or has ended.
- (b) To Feel silent anger over real or perceived injustice.
- (c) To become very tired with routine or boring work.
- (d) To Feel extremely sad over someone else's misfortune.

14. To shed crocodile tears

- (a) to grieve seriously
- (b) to pretend grief
- (c) to mock something
- (d) to weep profusely

Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. Mark the number of that part with error as your answer. If there is no error, mark (d). (Ignore errors of punctuation, if any.)

15. Hardly he had arrived (a)/ when the house caught fire (b)/ and everything was reduced to ashes. (c)/ No error (d).

- (a) Hardly he had arrived
- (b) when the house caught fire
- (c) and everything was reduced to ashes
- (d) no error

16. The reason for (a)/ his failure is because (b)/ he did not work hard. (c)/ No error (d)

- (a) The reason for
- (b) his failure is because
- (c) he did not work hard.
- (d) No error

17. As soon as the principal (a)/ entered the school, (b)/ all the students approached him (c)/ and report the matter, (d)/ (e).

- (a) As soon as the principal
- (b) entered the school
- (c) all the students approached him
- (d) and report the matter.
- (e) No error

Choose the best words to describe the PARTS OF SPEECH

18. Her 'father' flies to many countries in the world because he is a pilot.
(a) verb (b) noun (c) adjective (d) adverb
19. Stewart can speak Arabic very 'well', because he lived in Egypt for a year.
(a) noun (b) verb (c) adjective (d) adverb
20. What language do most people 'speak' in Brazil?
(a) verb (b) adverb (c) adjective (d) noun
21. I 'usually' study in the library for an hour after class
(a) verb (b) adverb (c) adjective (d) noun
22. What type of sentence is this? 'Turn in your homework'.
(a) Declarative (b) Imperative
(c) Interrogative (d) Explanatory

Answer in direct or indirect speech as applicable

23. The teacher said, 'Suresh, you are wasting your time'
(a) The teacher told Suresh that he was wasting his time
(b) The teacher told that he was wasting my time.
(c) The teacher told Suresh was wasting his time.
(d) The teacher told Suresh that he is wasting his time.
24. Rahim said to me, 'You will pass the examination.'
(a) Rahim told me that I could pass the examination.
(b) Rahim told me that he would pass the examination.
(c) Rahim told me that you would pass the examination.
(d) Rahim told me that I would pass the examination.

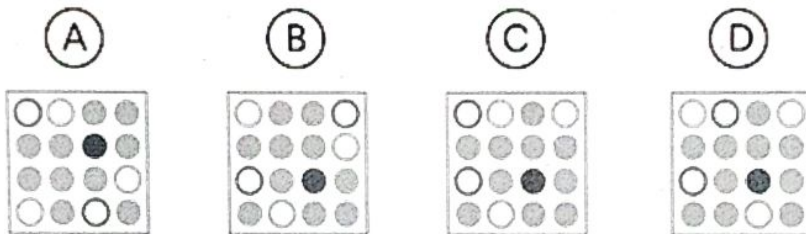
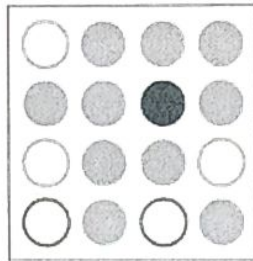
General Science

25. The fastest-running terrestrial animal is:
(a) lion (b) cheetah (c) jaguar (d) man
26. As you go down into a well, your weight:
(a) increases slightly (b) decreases slightly
(c) remains exactly the same (d) none of these
27. What is the rest mass of a photon?
(a) Infinite (b) zero
(c) 9.1×10^{-31} kg (d) 9.1×10^{-34} gm
28. The study of phenomena at very low temperatures is called:
(a) heat transfer (b) crystallography
(c) cryogenics (d) morphology
29. The per capita birth rate of a population is known as its:
(a) mortality (b) natality
(c) population density (d) carrying capacity
30. A 'clinical death' takes place when
(a) There is no pulse
(b) There is no heart beat
(c) Pupils are fixed and dilated, and there is no reaction to light
(d) All the above three conditions are present together
31. A plant cell is distinguished from an animal cell by the presence of
(a) Nucleus (b) Chloroplasts
(c) Cell membrane (d) Mitochondria

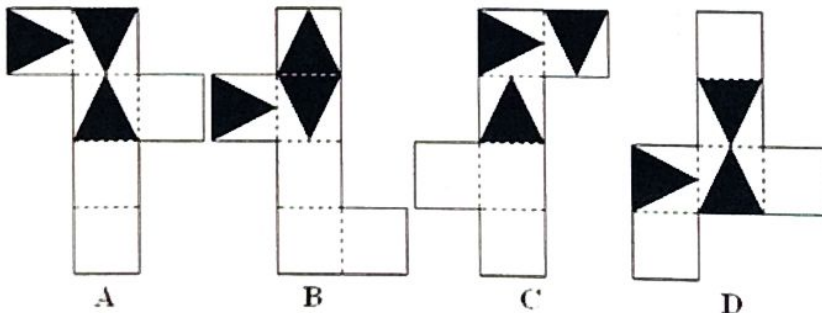
32. The mammal that lays eggs is:

- (a) kangaroo (b) duck-billed platypus
 (c) duck-billed platypus (d) opossum

33. Which of the following shapes is the rotation of the main image ?



34. Which pattern can be folded to make the cube shown ?



35. Who founded the Azad Hind Fauj?

- (a) Captain Mohan Singh (b) Rash Bihari Bose
 (c) Abdul Kalam Azad (d) Chandra Sekhar Azad

36. The idea of economic development on the basis of industrialization in 1938 was put forwarded by:
- (a) Subhash Chandra Bose (b) M. K. Gandhi
(c) Sardar Vallabhai Patel (d) Maulana Abul Kalam Azad
37. Mahatma Gandhi gave the title of Sardar to Vallabhai Patel for his great organizational skill in
- (a) The Kheda Sathyagraha (b) The Bardoli Sathyagraha
(c) The Salt Sathyagraha (d) The Individual Sathyagraha
38. The Indian Independence Act was passed by the British Parliament in:
- (a) June 1947 (b) May 1947
(c) July 1947 (d) August 1947
39. Rani Gaidilieu was a famous freedom fighter from
- (a) Nagaland (b) Assam
(c) Manipur (d) Tripura
40. Who establish Naujawan Bharat Sabha?
- (a) Bhagat Singh (b) Bal Gangadhar Tilak
(c) Lala Hardayal (d) Madan Lal Dhingra
41. Who wrote the famous books Jnana Yoga, Karma Yoga and Raja Yoga?
- (a) Ramakrishna Paramhansa (b) Mahadev Govind Ranade
(c) Swami Vivekananda (d) Dayanand Saraswati
42. The first school 'Hindu Balika vidyalaya' for the education of girls of the high hindu families was opened with the effort Mr Bethune and which social reformer?
- (a) Raja Ram Mohan Roy (b) Debendranath Tagore
(c) Jyotiba Phule (d) Ishwar Chandra Vidyasagar

43. Equation – $5/16 + \dots = 7$?
 (a) - 29/48 (b) 29/48 (c) 13/24 (d) 17/48
44. If $1^2+2^2+3^2+\dots+10^2 = 385$, then $3^2+6^2+9^2+\dots+30^2$ is equal to
 (a) 3465 (b) 2310 (c) 1155 (d) 770
45. Which of the following is not a part of the Directive Principles of State Policy?
 (a) Environment-Protection
 (b) Free education of children up to the age of fourteen
 (c) Animal – Protection
 (d) Protection of consumption of Intoxicating drinks
46. Which of the following committees is related to Fundamental Duties in the Constitution of India?
 (a) Verma Committee (b) Sarkaria Commission
 (c) Punchi Commission (d) None of the above
47. Which of the following committees are chaired by the Prime Minister?
 (1) Political Affairs Committee (2) Parliamentary Affairs Committee
 (3) Economic Affairs Committee (4) Appointments Committee
 (a) Only 1 & 2 (b) Only 2
 (c) Only 1, 3 & 4 (d) All of the above
48. Which Right was remarked by Dr B.R. Ambedkar as the “heart and soul of the Constitution”
 (a) Right to Equality
 (b) Right to Freedom
 (c) Right to Education
 (d) Right to Constitutional remedies

49. Who is the person authorized to conduct the election of the speaker in a newly elected House of the People in India.
- (a) Prime Minister (b) Protem speaker
(c) Speaker (d) Deputy Speaker
50. Right to Education in the Constitution was passed by
- (a) 86th Constitutional Amendment Act, 2002
(b) 86th Constitutional Amendment Act, 2004
(c) 86th Constitutional Amendment Act, 2006
(d) None of the above
51. Fundamental Duties are contained in Indian Constitution
- (a) Part IV A, Article 51 A (b) Part IV A, Article 50 A
(c) Part IV A, Article 52 A (d) Part V A, Article 51 A
52. Find the next number in the series: 2, 6, 12, 20, ____.
- (a) 28 (b) 30 (c) 32 (d) 36
53. If in a code language, 'APPLE' is written as 'ELPPA', how is 'ORANGE' written in that code?
- (a) EGNARO (b) EGRONA (c) NOGARE (d) GONARE
54. In a family of six members P, Q, R, S, T, and U, there are two married couples. P is a teacher and the father of R. U is the grandfather of R and is a lawyer. Q is the mother of R. S is the grandmother of R. T is the brother of R How is T related to U?
- (a) Son (b) Daughter (c) Son-in-law (d) Grandson
55. A clock is set right at 12 noon. It loses 10 minutes in 24 hours. What will be the correct time when the clock indicates 3 PM on the 4th day?
- (a) 2.20 PM (b) 1 PM (c) 4 PM (d) 12 PM

56. If Ram and Shyam together can build a house in 10 days; Ram and Arun can build it together in 12 days and Shyam and Arun can build it in 15 days. Shyam, Ram and Arun start working together. In how many days they build the house?

- (a) 6 days (b) 4 days (c) 8 days (d) 12 days

57. A boy is walking towards the north. After a while, he turns 90° to his right and walks straight. Again he turns 90° to his right and walks straight. In which direction is he walking now?

- (a) South (b) East (c) West (d) North

58. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:

- (a) 50 km (b) 56 km (c) 70 km (d) 80 km

59. A train crosses a man in 5 sec and a bridge of length 300 m in 20 sec Find the speed and length of the train.

- (a) 20 m/s, 100 m (b) 20 m/s, 150 m
(c) 25 m/s, 100 m (d) 25 m/s, 150 m

60. Year Course

| | B.Tech | M.Sc | B.Ed. | M.Phil | Diploma |
|------|--------|------|-------|--------|---------|
| 2024 | 50.7 | 20.9 | 22.6 | 18.9 | 14.9 |
| 2023 | 35.8 | 17.7 | 18.5 | 25.1 | 12.5 |
| 2022 | 22.2 | 14.6 | 15.8 | 12.7 | 5.6 |
| 2021 | 20.0 | 10.2 | 13.9 | 8.6 | 4.8 |
| 2020 | 14.5 | 6.4 | 11.6 | 5.8 | 3.2 |
| 2019 | 11.5 | 5.8 | 7.5 | 4.7 | 1.8 |

What was the difference total semester fee charged for diploma course over the years together and the fee charged in B.Tech. Course in the year 2023

- (a) 9000/- (b) 7000/- (c) 7600/- (d) 8300/-

61. A graph that displays data that changes continuously over periods of time is called:
- (a) Bar-graph (b) Pie-chart
(c) Histogram (d) Line Graph
62. If we join $(-3,2)$, $(-3,-3)$ and $(-3,4)$, then we obtain:
- (a) A triangle
(b) Straight-line without passing through origin
(c) Straight-line passing through origin
(d) None of the above
63. When there are a large number of values in an individual series, preference for portraying the data goes to
- (a) Bar diagram (b) Column chart
(c) Line chart (d) Scatter diagram
64. In each of the following word, find the odd word from the given alternative...
- (a) Square (b) Trapezium
(c) Cylinder (d) Parallelogram
65. In each of the following, find the odd word from the given alternative...
- (a) Legislator (b) Lawyer
(c) Mayor (d) Governor
66. Which of the following is the first State in India to fix minimum qualification to participate in Panchayat elections?
- (a) Tripura (b) Rajasthan
(c) Haryana (d) West Bengal

67. The national panchayati diwas is celebrated on -----
(a) 10th March (b) 14th April
(c) 24th April (d) 25th June
68. In 1986, the Rajiv Gandhi government appointed a committee on "revitalisation of panchayati raj institutions for democracy and development" under the chairmanship of-----
(a) L. M. Singhvi (b) G.V.K. Rao
(c) V.N. Gadgil (d) Ashok Mehta
69. If Float : Sink :: Boat :?
(a) Ship (b) War (c) submarine (d) missile
70. If ODEQ : PEFR :: ___ : NQSP ?
(a) MPRO (b) ORPM (c) PROM (d) RPMQ
71. The design of the National Flag was adopted by the Constituent Assembly of India on
(a) July 22, 1948 (b) July 22, 1947
(c) July 22, 1946 (d) August 22, 1947
72. When was NITI Aayog established?
(a) 1 January 2015 (b) 25 January 2016
(c) 14 May 2014 (d) 1 July 2015
73. Who of the following is the part of Governing Council of NITI Aayog?
(a) All Chief Ministers of the states
(b) Chief Ministers of Delhi and Puducherry
(c) Lieutenant Governor of Andaman & Nicobar Island
(d) All of the above

74. How many Padma awards were conferred by the President for conferment on the eve of Republic Day 2025?
(a) 139 (b) 130 (c) 150 (d) 135
75. Who has been appointed as the first woman Chief Justice of Uttarakhand High Court?
(a) Ritu Bahri (b) Hima Kohli
(c) Indira Banerjee (d) Ruma Pal
76. World's largest tiger reserve "Hukawang Valley Tiger Reserve" is located in __ :
(a) Myanmar (b) China (c) Thailand (d) Nepal
77. In a certain electronic circuit the output is positive if input 1 is positive and input 2 is zero. If both inputs are zero the output is zero. This is:
(a) an OR gate circuit (b) a NOR gate circuit
(c) an AND gate circuit (d) a high-pass filter
78. India is the biggest produces as well as the largest consumer and importer of which of the following crops?
(a) Wheat (b) Cotton (c) Sugarcane (d) Pulses
79. Globalization of Indian Economy means:
(a) Increasing External borrowing
(b) Larger FDI
(c) Import Substitution
(d) Minimum possible restrictions on economic relation with other countries.
80. Two numbers are in the ratio 3 : 4. If their LCM is 240, the smaller of the two number is
(a) 60 (b) 00 (c) 80 (d) 50

81. Which of the following is a pair of co-prime?

(a) (16, 62)

(b) (18, 25)

(c) (21, 35)

(d) (23, 92)

82. The cost price of a TV is ₹ 7,272. The seller wants to sell it at 30% profit, and at the same time he wants to offer consecutive discounts of 20% and 10%. What should be the marked price of the TV so that he is able to earn 30% profit even after offering the discounts?

(a) ₹ 11,110

(b) ₹ 10,000

(c) ₹ 13,130

(d) ₹ 12,120

83. A sum of ₹ 2,00,000 is invested for 2 years at an annual interest rate of 20% per annum compounded half yearly. After 2 years, the amount is invested again at 30% simple interest per annum for 1 year. What will be the final amount after 3 years?

(a) ₹ 3,61,808

(b) ₹ 3,80,666

(c) ₹ 2,92,820

(d) ₹ 3,28,914

84. A group of 11 natural numbers is arranged in ascending order. The average of the first six numbers is 18 and the average of the last six numbers is 28. If the 7th number is the smallest prime number greater than 20, then what is the sum of all these numbers?

(a) 253

(b) 276

(c) 299

(d) 241

85. All the vertices of a right-angled triangle lie on the circumference of a circle. The length of the two perpendicular sides of the triangle are 14 cm and 48 cm. What is the area of the circle?

(a) $2304 \pi \text{ cm}^2$

(b) $576 \pi \text{ cm}^2$

(c) $625 \pi \text{ cm}^2$

(d) $2500 \pi \text{ cm}^2$

86. Which of the following statement with regard to Raja Rammohan Roy is/are correct?

I. He advocated the promotion of English Language

II. He strongly advocated the abolition of Swati system

III. He advocated the widow remarriage

(a) Only I (b) Only II (c) I and II only (d) All of these

87. Which of the following language does the computer understand?

(a) Computer understands only C Language.

(b) Computer understands only Binary system

(c) Computer understands only Assembly Language

(d) Computer understands only BASIC

88. Which of the following computer language is written in binary codes only?

(a) pascal

(b) C

(c) C#

(d) machine language

89. Which of the following is the brain of the computer?

(a) Memory

(b) Arithmetic and Logic unit

(c) Central Processing Unit

(d) Control unit

90. Which of the following is the smallest unit of data in a computer?

(a) Bit

(b) KB

(c) Nibble

(d) Byte

91. Which of the following service allows a user to log in to another computer somewhere on the Internet?

(a) e-mail

(b) UseNet

(c) Telnet

(d) FTP

92. Interpreter is used as a translator for _____
- (a) Low level language (b) High Level Language
(c) COBOL (d) C
93. What is the valid format of MS Word?
- (a) exe (b) jpeg (c) doc (d) pdf
94. Identify the shortcut key for Save As in ms-word is
- (a) F5 (b) F6 (c) F12 (d) F7
95. What is the purpose of using the \$ symbol in an Excel formula?
- (a) To convert currency
(b) To indicate absolute reference
(c) To highlight the cell
(d) To mark important formulas
96. What is the function to convert text to uppercase in Excel?
- (a) UPPERCASE (b) UPPER
(c) CAPS (d) TEXTUP
97. How can you protect a worksheet from being edited accidentally?
- (a) Use a password (b) Lock cells
(c) Set as read-only (d) All of these
98. What Excel function is used to forecast a future value based on existing values?
- (a) FORECAST (b) PREDICT
(c) PROJECT (d) ESTIMATE

99. You have a large dataset where multiple entries per individual need to be summed up. Which function helps streamline this process?

(a) SUMIF

(b) SUMIFS

(c) AGGREGATE

(d) CONSOLIDATE

100. What led the way to economic liberalization in India?

(a) Fall of the Soviet Union

(b) The economic crisis and deficits

(c) The war between India and Pakistan

(d) Gulf War

Answer Keys for The Post of Laboratory Assistant


| Question Number | Answer (Option) |
|-----------------|-----------------|
| 1 | b |
| 2 | d |
| 3 | b |
| 4 | d |
| 5 | b |
| 6 | b |
| 7 | a |
| 8 | d |
| 9 | d |
| 10 | c |
| 11 | b |
| 12 | c |
| 13 | a |
| 14 | b |
| 15 | a |
| 16 | b |
| 17 | d |
| 18 | b |
| 19 | d |
| 20 | a |
| 21 | b |
| 22 | b |
| 23 | a |
| 24 | d |
| 25 | b |
| 26 | b |
| 27 | b |
| 28 | c |
| 29 | b |
| 30 | b |
| 31 | b |
| 32 | b/c |
| 33 | c |
| 34 | a |
| 35 | b |
| 36 | a |
| 37 | b |
| 38 | c |
| 39 | Dropped |
| 40 | a |

 17/2/25

| | |
|----|---------|
| 41 | c |
| 42 | d |
| 43 | Dropped |
| 44 | a |
| 45 | b |
| 46 | a |
| 47 | c |
| 48 | d |
| 49 | b |
| 50 | a |
| 51 | a |
| 52 | b |
| 53 | a |
| 54 | a |
| 55 | a |
| 56 | c |
| 57 | a |
| 58 | a |
| 59 | a |
| 60 | b |
| 61 | d |
| 62 | b |
| 63 | c |
| 64 | c |
| 65 | b |
| 66 | b |
| 67 | c |
| 68 | a |
| 69 | c |
| 70 | a |
| 71 | b |
| 72 | a |
| 73 | d |
| 74 | a |
| 75 | a |
| 76 | a |
| 77 | a |
| 78 | d |
| 79 | d |
| 80 | a |
| 81 | b |
| 82 | c |
| 83 | b |
| 84 | c |


17/2/25

| | |
|-----|---|
| 85 | c |
| 86 | d |
| 87 | b |
| 88 | d |
| 89 | c |
| 90 | a |
| 91 | c |
| 92 | b |
| 93 | c |
| 94 | c |
| 95 | b |
| 96 | b |
| 97 | d |
| 98 | a |
| 99 | b |
| 100 | b |


17/2/25