

### LAB ASSISTANT (HIGHER SECONDARY EDUCATION)

1. Who Introduced Railway for the first time in India?  
(a) Dalhousie (b) Canning (c) Hudson (d) Wellesley
2. Kerala Kalamandalam was established by:  
(a) Kumaranasan (b) Ulloor  
(c) G. Sankara Kurup (d) Vallathol
3. Who was the first Governor of Kerala?  
(a) B. Ramakrishna Rao (b) V.V. Giri  
(c) N. N. Vancho (d) P. Sivasankar
4. Ramakrishna Mission was established by:  
(a) Raja Ram Mohan Roy (b) Swami Vivekananda  
(c) Chattampi Swamikal (d) Dayananda Saraswati
5. The oldest Veda is:  
(a) Sama Veda (b) Yajur Veda (c) Atharva Veda (d) Rig Veda
6. The colour of Iron Sulphate is:  
(a) Blue (b) Red (c) Yellow (d) Green
7. The enzyme produced by salivary glands is  
(a) Pepsin (b) Trypsin (c) Amylase (d) Maltase
8. The hormone which promotes blood circulation is:  
(a) Estrogen (b) Insulin (c) Adrenalin (d) Thyroxin
9. The census in India is taken once in:  
(a) 5 years (b) 6 years (c) 10 years (d) 15 years
10. The signature on the one rupee currency notes in India belongs to:  
(a) President (b) Vice President  
(c) Prime Minister (d) Secretary, Ministry of Finance
11. Which of the following is an excretory organ of a lower animal?  
(a) Eyes (b) Kidney (c) Sweat glands (d) Nephridia
12. Who is considered as the founder of Jainism?  
(a) Sri Buddha (b) Mahavira  
(c) Guru Nanak (d) Swami Vivekananda
13. Who introduced the 'Subsidiary Alliance' system?  
(a) Clive (b) Ripon (c) Wellesley (d) Wellington
14. The Khilafat movement was started by:  
(a) Ali brothers (b) Subhash Chandra Bose  
(c) Mohammed Ali Jinnah (d) Sardar Vallabhai Patel
15. Usually, base changes the colour of litmus from:  
(a) Blue to red (b) Red to blue  
(c) Red to colourless (d) Pink to colourless
16. Changiz Khan invaded India during the rule of:  
(a) Iltutmish (b) Babur (c) Shersha (d) Asoka
17. Who was the Chairman of the Constitutional Assembly?  
(a) Dr. B.R. Ambedkar (b) Dr. Rajendra Prasad  
(c) Dr. S. Radhakrishnan (d) Jawaharlal Nehru
18. Fizzy soft drinks usually contain:  
(a) Hydrochloric acid (b) Nitric acid  
(c) Carbonic acid (d) Phosphoric acid
19. Rourkela steel plant is located in:  
(a) Orissa (b) Bihar (c) Rajasthan (d) West Bengal
20. The Mughal ruler who banned dance and music was  
(a) Aurangazeb (b) Babur (c) Humayun (d) Jahangeer
21. Law of Heredity is related to:  
(a) Colt (b) Morse (c) Mendel (d) Euclid
22. The Blue Book belongs to:

- (a) Britain (b) India (c) China (d) Pakistan
23. The number of molecules contained in 1 mole of gas is called.  
(a) Molecular weight (b) Equivalent number  
(c) Reynolds number (d) Avogadro number
24. The SI unit of energy is:  
(a) Newton (b) Joules (c) Ampere (d) Erg
25. Navy day is celebrated on:  
(a) December 4 (b) January 4 (c) October 4 (d) February 4
26. Which Governor General Introduced postal system in India.  
(a) Lord Wavell (b) Lord Irwin  
(c) Lord Dalhousie (d) Lord Canning
27. Study of nutrition is called.  
(a) Trophology (b) Pharmacology (c) Phrenology (d) Limnology
28. Which of the following substances consists of only one element?  
(a) Diamond (b) Glass (c) Marble (d) Sand
29. Who put forward the theory of Solar System?  
(a) Galileo (b) Ptolemy (c) Copernicus (d) Kepler
30. The cultural mission launched for welcoming the new millennium in Kerala was named  
(a) Kudumbasree (b) Manaveeyam  
(c) Akshara Keralam (d) Ayalkootam
31. Which Indian city is called the Silicon Valley of India?  
(a) Bangalore (b) Delhi (c) Chennai (d) Agra
32. 'Keralam Valarunnu' was written by:  
(a) P.C. Kuttikrishnan (b) George Onakkur  
(c) Pala Narayanan Nair (d) Sugatha Kumari
33. The first Malayalam film which got National award:  
(a) Odyailninnu (b) Chemmeen (c) Swayamvaram (d) Neelakkuyil
34. The Film and Television Institute of India is located at:  
(a) Mumbai (b) Kolkata (c) Pune (d) Delhi
35. Diabetes is caused due to malfunctioning of:  
(a) Heart (b) Kidney (c) Lungs (d) Pancreas
36. Which of the following is the missile made in India?  
(a) Nat (b) Arjun (c) Agni (d) MIG
37. Plants respirates through?  
(a) gills (b) trachea (c) stomata (d) arriers
38. Smallpox is caused by:  
(a) Virus (b) Fungus (c) Protozoa (d) Bacteria
39. The place in which the first Asian Games were held  
(a) Mumbai (b) New Delhi (c) China (d) Srilanka
40. The biggest backwater lake in Kerala is  
(a) Ashtamudi lake (b) Vembanattu lake (c) Sasthamkota lake (d) Chilka lake
41. The first Indian who got the Nobel Prize is  
(a) Rabeendranath Tagore (b) C.V.Raman  
(c) Dr. S. Radhakrishnan (d) Sardar Vallabhai Patel
42. The Strongest Force of nature is  
(a) Gravitational Force (b) Nuclear Force  
(c) Electrostatic Force (d) Magnetic Force
43. Which of the following is capable of producing a real image?  
(a) Convex mirror (b) Plane mirror (c) Concave lens (d) Concave mirror
44. The number of rings in the Olympic Flag is  
(a) 5 (b) 7 (c) 9 (d) 11
45. Davis Cup is associated with  
(a) Cricket (b) Lawn tennis (c) Football (d) Chess
46. The Constitution of India has provided for

- (a) Single citizenship (b) Multiple citizenship  
(c) Double citizenship (d) None of the above
47. Who elects the Vice President of India?  
(a) Members of Rajya Sabha (b) Members of Lok Sabha  
(c) Members of Parliament (d) None of the above
48. Which of the following Union Territories has a High Court of its own?  
(a) Pondicherry (b) Delhi  
(c) Andaman Islands (d) Lakshadweep
49. Who appoints the Chairman of Finance Commission?  
(a) Prime Minister (b) President  
(c) Vice President (d) None of the above
50. Who is the final authority to expand the meaning of the Constitution?  
(a) The Parliament (b) The President (c) The Speaker of Lok Sabha  
(d) The Supreme Court

Directions Q No. 51 - 52 Identify the odd one;

51. (a) Mathew Arnold (b) Alfred Lord Tennyson  
(c) Robert Browning (d) Charles Lamb
52. (a) Lamb (b) Fawn (c) Foal (d) elephant

Directions : Qn. 53 - 55 Complete the following sentence using the correct word/phrase expressions

53. The sound produced by a cow is.....  
(a) bleat (b) growl (c) bray (d) low
54. The Minister paid an ..... visit to Delhi to take part in a conference  
(a) officious (b) office (c) office time (d) official
55. .... means change for the better  
(a) Deform (b) Inform (c) Conform (d) Reform
56. Complete the following according to the given meaning  
To misjudge means to .....  
(a) reestimate (b) deestimate (c) under estimate (d) preestimate
57. Take ..... your health.  
(a) care after (b) care for (c) care of (d) care at
58. There was ..... rain for two days and all the rivers in the area were flooded.  
(a) continued (b) continuum (c) continuous (d) continual
59. Would you like to hear a story about ..... European?  
(a) the (b) an (c) a (d) some
60. Nobody liked the play.....  
(a) did they? (b) didn't they? (c) is it? (d) isn't it?
61. How many lessons ..... a week?  
(a) does he have (b) he has (c) he does have (d) he had
62. Your roof is leaking ; you should .....  
(a) have it repaired (b) repair it (c) repaired (d) make it repaired
63. I had my umbrella when I came out but I haven't got it now. You..... it on the bus.  
(a) must have left (b) should have left (c) had left (d) have left
64. I ..... the letter, but I can't find a stamp  
(a) have written (b) had written (c) wrote (d) was writing
65. If I know his address I .....  
(a) will give it to you (b) would give it to you  
(c) would have given it to you (d) would be giving it to you
66. The passive voice of "Students are doing a lot of work" is .....  
(a) A lot of work are done by students  
(b) A lot of work is being done by students  
(c) A lot of work is done by students  
(d) A lot of the work has been done by students
67. Choose the correct reported form of the following



- “Who wants a lift home” Said Ann.  
Ann.....
- (a) asked who had wanted a lift (b) asked who wanted a lift home  
(c) asked who wants a lift home (d) asked who will have a lift
68. Complete the following sentence  
She ran ..... the room  
(a) in (b) into (c) out (d) off
69. Identify the incorrect word-group  
(a) Ox-Oxen (b) Woman Student - Woman - Students  
(c) Thesis - Theses (d) Criterion - Criteria
70. Complete the following using the suitable word  
The United Nations ..... our only hope  
(a) are (b) is (c) were (d) will have been
71. If  $2494 \div 14.5 = 172$  then  $24.94 \div 1.45$  is:  
(a) 0.172 (b) 1.72 (c) 17.2 (d) 172
72. If a uniform brass pipe of length 48cm. weighs  $\frac{1}{12}$  kg, what length of that pipe weighs 1 kg?  
(a) 576 cm (b) 400 cm (c) 312 cm (d) 288cm
73.  $(0.1)^3$  is equal to:  
(a) 0.0001 (b) 0.001 (c) 0.01 (d) 0.1
74. Which among the following fraction is the smallest?  
(a)  $\frac{11}{20}$  (b)  $\frac{8}{15}$  (c)  $\frac{7}{12}$  (d)  $\frac{5}{8}$
75. The angles of a triangle are in the ratio 3 : 4 : 5 What is the degree of the largest angle?  
(a) 30 (b) 45 (c) 60 (d) 75
76. A can do a piece of work in 20 days. How much work will be finished in 12 days?  
(a)  $\frac{3}{5}$  (b)  $\frac{2}{5}$  (c)  $\frac{1}{2}$  (d)  $\frac{2}{3}$
77. Perimeter of a rectangle is 100cm. One side is 20cm. What is its area in square cm?  
(a) 1600 (b) 800 (c) 600 (d) 400
78. Base and hypotenuse of a triangle are 8, 10 respectively. Its area is:  
(a) 80 (b) 48 (c) 40 (d) 24
79. If  $\frac{99}{x} = \frac{11}{15}$  then x is  
(a) 25 (b) 45 (c) 105 (d) 135
80.  $\frac{51 \times 51 - 50 \times 50}{101}$  is:  
(a) 1 (b) 2 (c)  $\frac{1}{101}$  (d) None of these
81. If Mahe is coded as 13185, how will you code Agra?  
(a) 16181 (b) 17181 (c) 17191 (d) 18181
82. Pick the odd man out:  
(a) CAD (b) JHK (c) UTV (d) QOR
83. Pointing to a lady on the platform Reetha said ‘She is the sister of the father of my mother’s son’. What is the lady to Reetha?  
(a) Mother (b) Sister (c) Aunt (d) Niece
84. Find the related word:  
Thunder : Rain :: ..... : Night  
(a) Day (b) Dusk (c) Dark (d) Evening

85. If 1st January 2004 was Thursday, then what day is 1st of January 2005?  
(a) Thursday (b) Friday (c) Saturday (d) Sunday
86. Next number in the series:  
3, 15, 35, 63, .....  
(a) 99 (b) 98 (c) 84 (d) 77
87. Which comes next in the series?  
GAS, HCR, IEQ, JGP, .....  
(a) KIP (b) KJO (c) KIN (d) KIO
88. If I am seventh in the queue from either end, how many people are there in the queue?  
(a) 12 (b) 13 (c) 14 (d) 15
89. If  $32 - 24 = 3224$  and  $34 - 22 = 3242$  then  $36 - 26$  is  
(a) 3626 (b) 3226 (c) 3662 (d) 3266
90. Cobra is to snake as Crocodile is to:  
(a) Pond (b) Carnivore (c) Reptile (d) Marsh
91. Find the odd man out:  
(a) OOTRONT (b) OKOTY (c) SRPAI (d) LEDIH
92. If '+' means subtraction, '×' means division, '-' means multiplication and '÷' means addition then  
 $20 - 2 \div 30 \times 5 \div 4$  is  
(a) 38 (b) 49 (c) 48 (d) 7
93. In a certain code 5 is written as 101 and 9 is written as 1001. What is the code of 8?  
(a) 1010 (b) 1100 (c) 1110 (d) 1000
94. If  $A \propto B$  means A is greater than B;  $A \leq B$  means A is smaller than B, then what is the meaning of  $R \propto S$ ?  
(a) R is greater than S and T (b) R and T are greater than S  
(c) R and T are smaller than S (d) T is smaller than R and S
95. In a certain code 'si na hu' means 'coffee is good' and 'sa ni hu' means 'Tea is bad'. What is the code for 'is'?  
(a) Si (b) hu (c) na (d) ni
96. If Lane is coded as Ln12 then how will you code Puna?  
(a) Pn51 (b) Pn12 (c) Pn15 (d) Pn21
- Directions Q.No. 97 - 100 is based on the following arrangements.  
7 A B S K 3 D 2 U 6 1 % R \* 5 Z # 9 F E @ 4 M & W
97. Which is next in the series given below?  
A S D, 6 % 5, 5 # E, —  
(a) E 4 & (b) B K D (c) Z 9 @ (d) 2 U %
98. Three of the following are alike on the basis of the arrangement. Which one will not belong to this group?  
(a) S 3 7 (b) 2 6 K (c) Z 9 R (d) % \* 2
99. Which of the following is the 5th to the left of 11th element from the right end?  
(a) 6 (b) Z (c) I (d) K
100. How many symbols are there in the above arrangement each of which is immediately preceded and succeeded by a consonant?  
(a) None (b) One (c) Two (d) Three

### LAB ASSISTANT (Higher Secondary Education) - Answers

- |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 1. (a)  | 2. (d)  | 3. (a)  | 4. (b)  | 5. (d)  | 6. (d)  |
| 7. (d)  | 8. (c)  | 9. (c)  | 10. (d) | 11. (d) | 12. (b) |
| 13. (c) | 14. (a) | 15. (b) | 16. (a) | 17. (b) | 18. (d) |
| 19. (a) | 20. (a) | 21. (c) | 22. (a) | 23. (d) | 24. (b) |
| 25. (a) | 26. (c) | 27. (a) | 28. (a) | 29. (c) | 30. (b) |
| 31. (a) | 32. (c) | 33. (d) | 34. (c) | 35. (d) | 36. (c) |
| 37. (c) | 38. (a) | 39. (b) | 40. (b) | 41. (a) | 42. (b) |
| 43. (d) | 44. (a) | 45. (b) | 46. (a) | 47. (c) | 48. (b) |

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|---------|---------|---------|----------|---------|---------|
| 49. (b) | 50. (d) | 51. (d) | 52. (d)  | 53. (d) | 54. (d) |
| 55. (d) | 56. (b) | 57. (c) | 58. (c)  | 59. (c) | 60. (a) |
| 61. (a) | 62. (a) | 63. (a) | 64. (a)  | 65. (a) | 66. (b) |
| 67. (b) | 68. (b) | 69. (b) | 70. (b)  | 71. (c) | 72. (a) |
| 73. (b) | 74. (b) | 75. (d) | 76. (a)  | 77. (c) | 78. (d) |
| 79. (d) | 80. (a) | 81. (b) | 82. (c)  | 83. (c) | 84. (b) |
| 85. (c) | 86. (a) | 87. (d) | 88. (b)  | 89. (d) | 90. (c) |
| 91. (b) | 92. (a) | 93. (d) | 94. (b)  | 95. (b) | 96. (a) |
| 97. (c) | 98. (d) | 99. (a) | 100. (c) |         |         |