

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

QUESTION
PAPER SET

LAHDC-KSSRB
QUESTION BOOKLET FOR 10+2 LEVEL EXAM
SESSION 1ST

B

Time Allowed: Two Hours (120 Minutes)

Total Marks: 100

Question Booklet Number:

104811

INSTRUCTIONS

11. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOK.
12. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
13. You have to enter your Name, Email Id and Mobile No. on the test booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.
14. This Test Booklet contains 100 items (questions). Each item is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In any case, choose ONLY ONE response for each item.
15. You have to mark all your responses ONLY on the separate Answer Sheet (OMR Sheet) provided. See directions in the Answer Sheet.
16. All items carry equal marks.
17. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
18. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet. You are permitted to take away with you the Test Booklet.
19. Sheets for rough work are appended in the Test Booklet at the end.
20. **Penalty for wrong answers:**

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE:

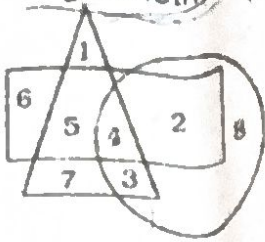
- (iv) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-fourth (0.25) of the marks assigned to that question will be deducted as penalty.
- (v) If a candidate gives more than one answer, it will be treated as wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (vi) If a question is left blank i.e., no answer is given by the candidate, there will be no penalty for that question.

Name:

Sign:

Roll No:

1. Which number is in all the geometrical figures?

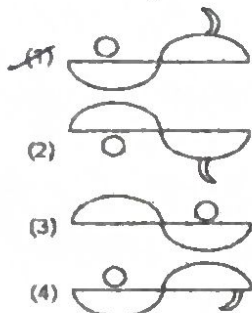


- a) 8
b) 3
c) 4
d) 5

2. Find water image of:
Question Figure



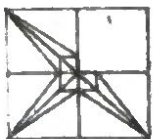
Answer Figures



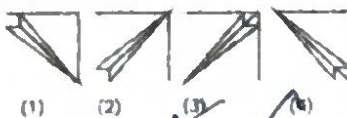
- a) 1
b) 2
c) 3
d) 4

3. Which answer figure will complete the question figure?

1. Question Figure :



Answer Figures :



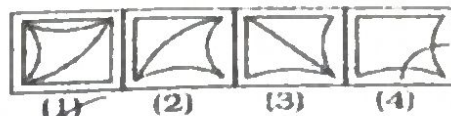
- a) 1
b) 2
c) 3
d) 4

4. Which one of the answer figures shall complete the given question figure?

Question Figure :



Answer Figures :

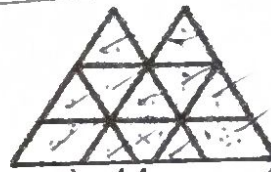


- a) 1
b) 2
c) 3
d) 4

5. The next number of the sequence 3, 5, 9, 17, 33..... is:

- a) 65
b) 60
c) 50
d) 49

6. Find the number of triangles in the given figure.



- a) 14
b) 15
c) 18
d) 20

7. Choose the alternative which is closely resembles the mirror image of the given combination.

ANS43Q12

(1) AN2AEO1 S
(3) 2NAEAO1 S

(2) S1OEA2NA
(4) 1SOEA2NA

- a) 1
b) 2
c) 3
d) 4

8. Identify the figure that completes the pattern given at X.



(X)



(1)



(2)



(3)



(4)

- a) 1
b) 2
c) 3
d) 4

9. If the first two statements are true, the third statement is:
A toothpick is useful.
Useful things are valuable.
A toothpick is valuable.
 a) True
 b) False
 c) Uncertain
 d) None of the above
10. At the baseball game, Henry was sitting in seat 253. Maria was sitting to the right of Henry in seat 254. In the seat to the left of Henry was George. Inez was sitting to the left of George. Which seat is Inez sitting in?
 a) 251
 b) 254
 c) 255
 d) 256
11. One term in the number series is wrong. Find out the wrong term.
 8, 13, 21, 32, 47, 63, 83
 a) 13
 b) 21
 c) 32
 d) 47
12. Select the number from among the given options that can replace the question mark (?) in the following series.
 2, 7, 24, 77, 238, ?, 2180
 a) 723
 b) 725
 c) 733
 d) 728
13. In a certain code language, 'BOOK' is coded as '2303022' and 'CAMERA' is coded as 31265361. How will 'VEHICLE' be coded in that language?
 a) 4451693245
 b) 445893245
 c) 445893125
 d) 4410893245
14. If the uncle of the father of Rani is the grandson of the father of Anup and Anup is the only son of his father, then how Anup is related to Rani?
 a) Grandfather
 b) Uncle
 c) Maternal Uncle
 d) Great grandfather
15. In a certain code language, 'ACCELERATE' is coded as '100'. How will 'MOMENTUM' be coded in that language?
 a) 114
 b) 64
 c) 102
 d) 81
16. Select the option in which the numbers are related in the same way as are the numbers of the following set.
 (12, 52, 14)
 a) (13, 54, 15)
 b) (14, 51, 16)
 c) (11, 47, 13)
 d) (10, 44, 12)
17. Select the number from among the given options that can replace the question mark (?) in the following series.
 3, 5, 15, 41, 91, ?
 a) 171
 b) 173
 c) 175
 d) 170
18. Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.
 p _ q q r _ p p q _ r r _ p q _ _ r _
 a) q p r q r q
 b) p r q p q r
 c) q q p p r r
 d) r p q r p q
19. A, B, C, D, E, F, G, H and K are sitting around a circle facing the centre. A is third to the left of H, who is fourth to the left of G. C is fourth to the right of D, who is second to the right of A. E is third to the left of G. B is fourth to the right of K. In which of the following combinations are the three persons sitting together?
 a) KEB
 b) BCK
 c) HCG
 d) DHE

33. A and B can do a piece of work in 72 days. B and C can do it in 120 days. A and C can do it in 90 days. In how many days all the three together can do the work?

AB - 1
72 days
AC
90 days

- a) 80 days
- b) 60 days
- c) 100 days
- d) 150 days

34. The first term of an Arithmetic Progression is 22 and the last term is -11. If the sum is 66, the number of terms in the sequence is:

- a) 10
- b) 9
- c) 12
- d) 8

35. The angles of a triangle are $(x + 5)^\circ$, $(2x - 3)^\circ$ and $(3x + 4)^\circ$. The value of x is:

- a) 30
- b) 31
- c) 29
- d) 28

36. A man 6ft tall casts a shadow 4 ft long, at the same time when a flagpole casts a shadow 50 ft long. The height of the flagpole is:

- a) 80 ft
- b) 75 ft
- c) 60 ft
- d) 70 ft

37. The inner and outer radii of two concentric circles are 6.5 cm and 10 cm, respectively. What is the difference between their circumferences (in cm)?

- a) 33
- b) 17.6
- c) 22
- d) 17.5

38. A, B, C started a joint venture. Thrice of the investment made by A is 4 times of B's investment and B's investment is twice of C's investment. Find the ratio in which the profit will be shared?

- a) 8 : 6 : 3
- b) 8 : 3 : 1
- c) 4 : 3 : 2
- d) 8 : 6 : 1

39. A shopkeeper sold an article for Rs 450 at loss. If he sells it for Rs. 480, then he would gain an amount four times the loss. At what price (in Rs) should he sell the article to gain 20%?

- a) 537.2
- b) 545.2
- c) 547.2
- d) 552.2

40. In a triangle ABC, the bisector of $\angle A$ meets BC at D. If $AB=8.4$ cm, $AC=11.2$ cm and $BD=4.8$ cm, then the perimeter (in cm) of $\triangle ABC$ is:

- a) 30.8
- b) 30.6
- c) 31.2
- d) 33.6

41. A dealer marks his goods at 30% above the cost price. He sells 60% of the goods at the marked price giving 10% discount and the rest by giving 50% discount on the marked price. What is his overall profit / loss percent?

- a) 3.6% Profit
- b) 3.8% Loss
- c) 3.8% Profit
- d) 3.6% Loss

42. The average of the ages of Ravi, Mohan and Govind is 39 years. If Shyam joins them now, the average of the ages of all four of them will be 37 years. The present age of Shyam is:

- a) 31 years
- b) 13 years
- c) 29 years
- d) 32 years

43. In a triangle, if three altitudes are equal, then the triangle is

- a) Obtuse
- b) Equilateral
- c) Right
- d) Isosceles

44. In a college of 1335 students, 60 % are boys. Find the number of girls and number of boys in the college?

- a) 924, 221
- b) 691, 404
- c) 801, 534
- d) 534, 801

45. If each side of a square is increased by 50%, find the percentage change in its area.
- a) 142
b) 135
c) 158
d) 125

46. The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:
- a) 2.3 m
b) 4.6 m
c) 7.8 m
d) 9.2 m

47. A, B, and C start a business together. A invests \$8000, B invests \$10000, and C invests \$12000. At the end of the year, they make a profit of \$15000. How much of the profit will A receive?
- a) \$3000
b) \$4000
c) \$5000
d) \$6000

48. What is the product of $(a+b)(a-b)$?
- a) $a^2 + b^2$
b) $a^2 - b^2$
c) $a^2 + 2ab + b^2$
d) $a^2 - 2ab + b^2$

49. Which among these are complementary angles?
- a) $\angle A + \angle B = 90^\circ$
b) $\angle A + \angle B = 180^\circ$
c) $\angle A + \angle B = 60^\circ$
d) $\angle A + \angle B = 45^\circ$

50. $\sin(90^\circ - x)$ equals to _____
- a) $\cot x$
b) $\cos x$
c) $\operatorname{cosec} x$
d) $\sec x$

51. Which Indian state is famous for its backwaters?
- a) Kerala
b) Goa
c) Tamil Nadu
d) Andhra Pradesh

52. Which country is known as the "Land of the Thunder Dragon"?
- a) Bhutan
b) Nepal
c) Myanmar
d) Sri Lanka

53. Which is the largest country in South Asia?
- a) India
b) China
c) Pakistan
d) Bangladesh

54. In terms of population, the largest continent is _____, and the smallest continent is _____.
- a) Asia, Antarctica
b) Asia, Australia
c) Africa, Antarctica
d) Africa, Australia

55. Name the continent where 'Tundra' type of climate is not found
- a) Asia
b) Europe
c) Africa
d) North America

56. Which of the given cities is located on the bank of river Ganga?
- a) Patna
b) Gwalior
c) Bhopal
d) Mathura

57. Which of the following states does not share its border with Myanmar?
- a) Arunachal Pradesh
b) Manipur
c) Assam
d) Mizoram

58. The "Western Ghats" are located parallel to the:
- a) Arabian Sea
b) Bay of Bengal
c) Indian Ocean
d) Gulf of Khambhat

59. Which of the following acids is present in ant bites?
- a) Formic acid
b) Malic acid
c) Perchloric acid
d) Nitric acid

60. What is the chemical symbol for gold?
- a) Au
b) Ag
c) Cu
d) Fe

61. What is a keystone species?
- A species that helps to hold an ecosystem together.
 - A species that lives in or around rocks
 - Keys and stones have nothing to do with ecology.
 - A keystone isn't a living thing, it's just a stone.
62. Which one of the following seas/gulfs are connected by the Suez Canal?
- Gulf of Oman and the Red Sea
 - The Mediterranean Sea and the Gulf of Oman
 - Persian Gulf and the Arabian Sea
 - The Mediterranean Sea and the Red Sea
63. The term 'Paper Gold' means?
- Special Drawing Rights (SDRs) of the IMF
 - Special Accommodation facility of the World Bank
 - Currencies still on gold standard
 - Deficit Financing
64. The Cash Reserve Ratio refers to
- The share of Net Demand and Time Liabilities that banks have to hold as balances with RBI.
 - The Ratio of cash holding to reserves banks.
 - The share of Net Demand and Time Liabilities that banks have to hold as liquid assets.
 - The share of Net Demand and Time Liabilities that banks have to hold as part of their cash reserves.
65. The famous dance form Kathakali is native to which Indian state?
- Kerala
 - Odisha
 - Tamil Nadu
 - West Bengal
66. Who is the current CEO of Apple Inc.?
- Steve Jobs
 - Tim Cook
 - Bill Gates
 - Jeff Bezos
67. Who is the author of the book "The Hero of Tiger Hill"?
- Mallika Sarabhai
 - Sannidhya Sharma
 - Sanjukta Dash
 - Subedar Major Yogendra Singh Yadav
68. Who was the first Muslim President of Indian National Congress?
- Abul Kalam Azad
 - Syed Ahmed Khan
 - Badruddin Tyabji
 - Fazalul Haq
69. Which of the following is a statutory body?
- NITI Ayog
 - National Human Rights Commission
 - Election Commission of India
 - CAG
70. Which Schedule of the constitution provides provisions in relation to the three legislative lists namely Union, state and Concurrent lists?
- IV
 - VII
 - III
 - IX
71. The Basic Structure Doctrine was enunciated by the Supreme court during the
- Kesavananda Bharti Case
 - Golak Nath Case
 - SR Bommai case
 - Maneka Gandhi Case
72. Who said the CAG shall probably be the most important officer under the Constitution of India
- B.R. Ambedkar
 - Pt. Jawaharlal Nehru
 - Sardar Vallabhbhai Patel
 - Rajendra Prasad
73. Who recognises political party as a National Party
- Prime Minister
 - Parliament
 - Election Commission
 - President
74. Which of the following manuscript is included in UNESCO's Memory of World Register
- Rig Veda
 - Ramayana
 - Mahabharata
 - None of the Above

75. India's seed vault is located at which of the following locations

- a) Ladakh
- b) Jammu
- c) Tawang
- d) Lipulekh

76. Which of the following words is a homonym of "tail"?

- a) Tale
- b) Mail
- c) Sail
- d) Pale

77. Which of the following words is a synonym of "eager"?

- a) Indifferent
- b) Reluctant
- c) Enthusiastic
- d) Apathetic

78. Which of the following words is a synonym of "frustrated"?

- a) Delighted
- b) Satisfied
- c) Aggravated
- d) Calm

79. Which of the following words means "to express sorrow or regret"?

- a) Celebrate
- b) Rejoice
- c) Lament
- d) Cheer

80. I haven't seen her _____ a month.

- a) since
- b) for
- c) from
- d) to

81. _____ it is raining, I will still go for a walk.

- a) Though
- b) Although
- c) Because
- d) Since

82. Which of the following is the correct spelling?

- a) Accomodate
- b) Accommodate
- c) Acommodate
- d) Accomodiate

83. Choose the correct phrase for the given sentence: He has a chip on his shoulder.

- a) He is always angry
- b) He is always complaining
- c) He is always happy
- d) He is always proud

84. Change the following sentence into direct speech: She said that she was tired.

- a) "We are tired," she said
- b) "You are tired," she said.
- c) "She is tired," she said.
- d) "I am tired," she said

85. Rearrange the following sentence: "the / cat / on / roof / the / is"

- a) The roof is on the cat.
- b) On the cat is the roof.
- c) The is on cat the roof.
- d) The cat is on the roof.

86. Rearrange the following sentences to form a coherent paragraph:

- A. These creatures possess a variety of skills.
- B. They may even be able to recognize themselves in a mirror.
- C. Octopuses are highly intelligent marine animals.
- D. They have been observed using tools and solving puzzles.

- a) C, B, A, D
- b) C, A, D, B
- c) A, C, D, B
- d) B, A, D, C

87. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. When a calf is born under water, the mother must get it to the surface before it drowns.
- B. The young ones remain with their parents for up to fifteen years or more.
- C. Often another whale assists the mother nudging the baby gently and encouraging it to swim.
- D. Whales have highly developed maternal instincts.

- a) DBCA
- b) CBDA
- c) BCAD
- d) DACB

88. Select the most appropriate option to fill in the blank.

Catholics and Protestants have a long history of in Northern Ireland but volunteers from both communities came together to build the monument of Peace.

- a) Truce
- b) Agreement
- c) Contest
- d) Conflict

89. Some sentences are given with blanks to be filled in with an appropriate word (s).

All civilised nations now believe in _____ treatment of prisoners.

- a) Human
- b) Humane
- c) Humanitarian
- d) Humiliating

90. Select wrongly spelt word:

- a) Megre
- b) Meadow
- c) Matter
- d) Measure

meadow
megre

91. Select correctly spelt word:

- a) Illecitly
- b) Illicitly
- c) Illicitly
- d) Illicitley

92. Select the alternative which best expresses the meaning of idiom/phrase.

To let someone off

- a) To let someone fall
- b) To leave someone in his present state
- c) To release someone from blame
- d) To refuse to answer

93. Compulsory enlistment for military service

- a) Militaristic
- b) Armament
- c) Abdication
- d) Conscription

94. The art of secret writings?

- a) Calligraphy
- b) Palaeography
- c) Cipher
- d) Aeronautics

95. Select the option that expresses the given sentence in passive voice?

The family was watching Ramayana on the TV.

- a) Ramayana has been watched by the family on the TV.
- b) Ramayana was being watched by the family on the TV.
- c) Ramayana is being watched by the family on the TV.
- d) Ramayana was watching the family on the TV.

96. Change the following sentence into passive voice. She ate the cake.

- a) The cake was eaten by her.
- b) The cake ate her.
- c) The cake was eating her.
- d) The cake was ate by her.

Read the following passage and fill the numbered spots with appropriate word:

There are _____ (1) _____ ways to empower women. Individual people and the administration must work _____ (2) _____ to make this a _____ (3) _____. Girl's education must be made mandatory so that they do not become ignorant, uneducated, and unable to support themselves. Women must be _____ (4) _____ equal rights and opportunities in all fields, regardless of their gender.

97. Select the most appropriate option to fill in blank no. 1?

- a) Several
- b) Chosen
- c) Selected
- d) Counted

98. Select the most appropriate option to fill in the blank 2:

- a) Anonymously
- b) Cooperatively
- c) Singlehandedly
- d) Forcefully

99. Select the most appropriate option to fill in the blank 3:

- a) Reality
- b) Dream
- c) Truth
- d) Fiction

100. Select the most appropriate option to fill in blank no. 4.

- a) Satisfied with
- b) Taken
- c) Accorded
- d) Accepted