LAKSHYA ACADEMY

MODEL PAPER – 001 FOR AISSEE

DURATION : 02:30 HRS   **MAX. MARKS : 300**

Name of the Candidate (in capitals) :_____

General Instructions:

1. Answer all questions in the OMR answer sheet only.

2. This question paper booklet contains FOUR sections. Section "B" MATHEMATICS contains 50 questions of 3 marks each. Section "A" ENGLISH, Section "C" GENERAL KNOWLEDGE, Section "D" INTELLIGENCE contain 25 questions each, of 2 marks per question. In all, the paper consists of 125 questions for a total of 300 marks.

3. There is no negative marking for a wrong answer.

_____

SECTION – 'A' : ENGLISH

Choose the correct answer.

1. The _____ in the region has been pleasant recently.
(A) climate
(B) whether
(C) weather
(D) season

2. Why do we always have to submit _____ his authority?
(A) under
(B) for
(C) with
(D) to

3. He is _____ unlucky man.
(A) the
(B) a
(C) an
(D) No article

4. The word 'Bantering' means
(A) Good humoured
(B) Openly shareless
(C) Blessing
(D) Sudden gain

5. Choose the correct order to make the sentence below meaningful.
in the news bulletin (a) /did not feature (b)/ that this matter (c)/ it was surprising (d).
(A) cbad
(B) adbc
(C) bdac
(D) dcba

6. Select the word closest in meaning to '<u>Admonish</u>'.
(A) Warn
(B) Escape
(C) Worship
(D) Distribute

7. Mark the word with the correct spelling.
(A) Earlear
(B) Earllier
(C) Earlier
(D) Earlyer

8. I _____ to the movies with some friends last night. (Use the correct verb).
(A) went
(B) am going
(C) have gone
(D) am gone

9. During _____ first two years _____ village project had _____ awful time. (Use articles).
(A) the, a, the
(B) the, the, an
(C) a, the, an
(D) the, the, a

10. Ramu is in the habit of revising just once, but Suresh never understands a subject _____ he revises it for at least three times.
(Use appropriate conjunction)
(A) thus
(B) although
(C) unless
(D) incase

11. How much longer _____ this book?
(Choose appropriate form of tense)
(A) you are needing
(B) will you be needing
(C) will you have needed
(D) have you needed

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12. Arrange the jumbled words to form a meaningful sentence.
the/ first/ doctor / a/ diagnosis/ makes/ an / illness/ of
(A) Diagnosis the doctor makes first of an illness.
(B) The doctor first makes a diagnosis of an illness.
(C) First the diagnosis of an illness the doctor makes.
(D) The diagnosis first of an illness the doctor makes.

Directions (Q. No. 13 and 14) In the following questions, choose appropriate pronoun for the given blanks.
13. The students have welcomed their new teacher but she ignored _____.
(A) him
(B) ours
(C) them
(D) hers

14, Both the sisters quarrelled but they love _____ so much.
(A) one another
(B) none
(C) each other
(D) nobody

15. She has only _____ friends.
(Use appropriate determiner)
(A) fewer
(B) less
(C) more
(D) a few

16. Do as I say, _____?
(Choose appropriate question tag)
(A) didn't you
(B) won't you
(C) needn't you
(D) shan't you

17. Choose the best meaning of the idiom to face the music'.
(A) To enjoy a musical recital
(B) To bear the consequences
(C) To live in a pleasant atmosphere
(D) To have a difficult time

18. The bag is so heavy that he can, hardly lift it.
(Choose the adverb)
(A) hardly
(B) heavy
(C) lift it
(D) so

19. God gives us happiness.
(Change from active to passive voice).
(A) Happiness is given by God.
(B) Happiness is being given to us by God.
(C) Happiness has been given by God.
(D) Happiness will be given by God.

20. If I _____ a doctor, I Would serve the poor.
(A) am
(B) had been
(C) was
(D) were

21. Demolish (Choose the word with opposite meaning).
(A) Diminish
(B) Debunk
(C) Establish
(D) Deter

Read the passage and answer the following questions:
Two men were once walking along a forest path, talking about courage and loyalty. The elder, who had the gun, was boasting of his own bravery and faithfulness when suddenly a large bear came out from behind a rock in front of them and charged furiously in their direction. The haughty man fled to a nearby tree, dropped his gun, and climbed to a safe place without a thought for his poor friend.

The latter fell on his face as if dead. The bear smelled his body, turned him over, licked his face, thought him dead and went on his way, leaving him unharmed. The other man came down from the tree, and going up to his friend said, "Well, what secret did he whisper so quietly in your ear?" To which the little man, who hated his life for his own presence of mind and not for the proud bravery and fidelity of his companion, replied, "Why, he said, 'trust not pride,' and I will take his advice."

22. What were two men talking about as they walked along a forest path?
(A) Courage and Loyalty
(B) Hunting and Fishing
(C) Money and Power
(D) Love and Marriage

23. Who was boasting about his bravery and faithfulness?
(A) The younger man
(B) The elder man with the gun
(C) Both men
(D) Neither man

24. How did the second man feel about his own bravery and faithfulness?
(A) Proud
(B) Ashamed
(C) Happy
(D) Indifferent

25. What was the main lesson from the story?
(A) Trust in pride will lead to your downfall.
(B) Fleeing from danger is acceptable.
(C) Friends should always stick together.
(D) Hunting is dangerous.

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SECTION – 'B': MATHEMATICS

26. The successor of the predecessor of −50 is
(A) −48
(B) −49
(C) −50
(D) −51

27. The least integer lying between −10 and −15 is
(A) −10
(B) −11
(C) −15
(D) −14

28. Amulya and Amar visited two places A and B respectively in Kashmir and recorded the minimum temperatures on a particular day as −4 °C at A and −1 °C at B. Which of the following statement is true?
(A) A is cooler than B
(B) B is cooler than A
(C) There is a difference of 2 °C in the temperature
(D) The temperature at A is 4 °C higher than that at B.

29. Which of the following shows the maximum rise in temperature?
(A) 0 °C to 10 °C
(B) −4 °C to 8 °C
(C) −15 °C to −8 °C
(D) −7 °C to 0 °C

30. 1 billion is equal to
(A) 100 millions
(B) 10 millions
(C) 1000 lakhs
(D) 10000 lakhs

31. Which of the following numbers in Roman Numerals is incorrect?
(A) LXII
(B) XCI
(C) LC
(D) XLIV

32. $3 \times 10000 + 0 \times 1000 + 8 \times 100 + 0 \times 10 + 7 \times 1$ is same as
(A) 30087
(B) 30807
(C) 3807
(D) 3087

33. The sum of first three common multiples of 3, 4 and 9 is
(A) 108
(B) 144
(C) 252
(D) 216

34. The largest 4-digit number, using any one digit twice, from digits 5, 9, 2 and 6 is
(A) 9652
(B) 9562
(C) 9659
(D) 9965

35. Number of whole numbers between 38 and 68 is
(A) 31
(B) 30
(C) 29
(D) 28

36. A whole number is added to 25 and the same number is subtracted from 25. The sum of the resulting numbers is
(A) 0
(B) 25
(C) 50
(D) 75

37. Which of the following is not true?
(A) $(7 + 8) + 9 = 7 + (8 + 9)$
(B) $(7 \times 8) \times 9 = 7 \times (8 \times 9)$
(C) $7 + 8 \times 9 = (7 + 8) \times (7 + 9)$
(D) $7 \times (8 + 9) = (7 \times 8) + (7 \times 9)$

38. Which of the following statements is not true?
(A) Both addition and multiplication are associative for whole numbers.
(B) Zero is the identity for multiplication of whole numbers.
(C) Addition and multiplication both are commutative for whole numbers.
(D) Multiplication is distributive over addition for whole numbers.

39. Number of even numbers between 58 and 80 is
(A) 10
(B) 11
(C) 12
(D) 13

40. The number of distinct prime factors of the smallest 5-digit number is
(A) 2
(B) 4
(C) 6
(D) 8

41. Which of the following numbers is divisible by 11?
(A) 1011011
(B) 1111111
(C) 22222222
(D) 3333333

42. The number of common prime factors of 75, 60, 105 is
(A) 2
(B) 3
(C) 4
(D) 5

43. 0.7499 lies between
(A) 0.7 and 0.74
(B) 0.75 and 0.79
(C) 0.749 and 0.75
(D) 0.74992 and 0.75

Students of Class VI in a school were given a task to count the number of articles made of different materials in the school. The information collected by them is represented as follows:

Material used	Articles		= 20 articles
Wood			
Glass			
Metal			
Rubber			
Plastic			

Observe the pictograph and answer the following questions:

44. Which material is used in maximum number of articles?
(A) Glass
(B) Wood
(C) Metal
(D) Plastic

45. Which material is used in minimum number of articles?
(A) Glass
(B) Wood
(C) Metal
(D) Plastic

46. Which material is used in exactly half the number of articles as those made up of metal?
(A) Glass
(B) Wood
(C) Metal
(D) Plastic

47. What is the total number of articles counted by the students?
(A) 175 articles
(B) 100 articles
(C) 120 articles
(D) 160 articles

48. A polygon has prime number of sides. Its number of sides is equal to the sum of the two least consecutive primes. The number of diagonals of the polygon is
(A) 4
(B) 5
(C) 7
(D) 10

49. Savitri has a sum of Rs x. She spent Rs 1000 on grocery, Rs 500 on clothes and Rs 400 on education, and received Rs 200 as a gift. How much money (in Rs) is left with her?
(A) $x - 1700$
(B) $x - 1900$
(C) $x + 200$
(D) $x - 2100$

50. 13.572 correct to the tenths place is
(A) 10
(B) 13.57
(C) 14.5
(D) 13.6

51. A square shaped park ABCD of side 100m has two equal rectangular flower beds each of size $10m \times 5m$ (Figure). Length of the boundary of the remaining park is
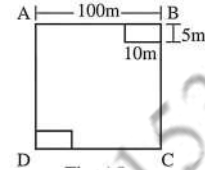
(A) 360 m
(B) 400 m
(C) 340 m
(D) 460 m

52. The marks (out of 10) obtained by 28 students in a Mathematics test are listed as below:
8, 1, 2, 6, 5, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0
The number of students who obtained marks more than or equal to 5 is
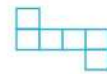(A) 13
(B) 15
(C) 16
(D) 17

53. Following figures are formed by joining six unit squares. Which figure has the smallest perimeter in Figure?
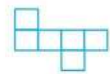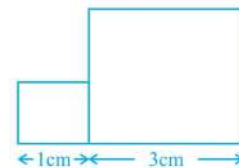
(A) (ii)
(B) (iii)
(C) (iv)
(D) (i)

54. Which of the following is an equation?
(A) $x + 7$
(B) $2y + 3 = 7$
(C) $2p < 10$
(D) $12x$

55. In Figure, a square of side 1 cm is joined to a square of side 3 cm. The perimeter of the new figure is

(A) 13 cm
(B) 14 cm
(C) 15 cm
(D) 16 cm

56. Which of the following angles cannot be constructed using ruler and compasses?
(A) 75°
(B) 15°
(C) 135°
(D) 85°

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57. The number of lines of symmetry in a $45^o - 45^o - 90^o$ set-square is
(A) 0 (B) 1
(C) 2 (D) 3

58. Mathematics textbook for Class VI has 320 pages. The chapter 'symmetry' runs from page 261 to page 272. The ratio of the number of pages of this chapter to the total number of pages of the book is
(A) 11 : 320 (B) 3 : 40
(C) 3 : 80 (D) 272 : 320

59. A picture is 60cm wide and 1.8m long. The ratio of its width to its perimeter in lowest form is
(A) 1 : 2 (B) 1 : 3
(C) 1 : 4 (D) 1 : 8

60. The greatest ratio among the ratios 2 : 3, 5 : 8, 75 : 121 and 40 : 25 is
(A) 2 : 3 (B) 5 : 8
(C) 75 : 121 (D) 40 : 25

61. 9 km 17 m 56 cm is equal to
(A) 9.01756 km (B) 9.1756 km
(C) 9.01753 km (D) 91.7560 km

62. Convert: 80 mm × 600 cm in mm^2.
(A) 480000 mm^2 (B) 4800 mm^2
(C) 48000 mm^2 (D) 840000 mm^2

63. A movie started at 11:00 a.m. and ended at 2:15 p.m., including an interval of 15 minutes. Then the ratio of movie time (excluding interval) to interval is
(A) 1: 12 (B) 12 : 1
(C) 13 : 1 (D) 1 : 13

64. Equivalent fraction of $\frac{30}{17} - \left(\frac{4}{5} + \frac{1}{5}\right)$ is
(A) $\frac{26}{32}$ (B) $\frac{65}{75}$
(C) $\frac{117}{187}$ (D) $\frac{286}{374}$

65. $\frac{1}{6} + \left(\frac{55}{14} - \frac{1}{2}\right)$ is the reciprocal of
(A) $3\frac{28}{42}$ (B) $4\frac{29}{151}$
(C) $\frac{42}{150}$ (D) $3\frac{25}{42}$

66. The simple interest on a sum for 5 years is two-fifth of the sum. The rate of interest per annum is
(A) 0.1 (B) 0.08
(C) 0.06 (D) 0.04

67. The average of 100 observations was calculated as 35. It was found later, that one of the observations was misread as 83 instead of 53. The correct average is
(A) 32.7 (B) 34.7
(C) 35.7 (D) 36.7

68. If the average of 6 consecutive even numbers is 25, the difference between the largest and the smallest number is
(A) 8 (B) 10
(C) 12 (D) 14

69. Which one of the following cannot be the ratio of angles in a right-angled triangle?
(A) 1 : 2 : 3 (B) 1 : 1 : 2
(C) 1 : 3 : 6 (D) None of these

70. If the perimeter and diagonal of a rectangle are 14 cm and 5 cm respectively, find its area.
(A) 12 cm^2 (B) 16 cm^2
(C) 20 cm^2 (D) 24 cm^2

71. The area of a square field is 576 km^2. How long will it take for a horse to run around at the speed of 12 km/h?
(A) 12 h (B) 10 h
(C) 8 h (D) 6 h

72. The length and breadth of a playground are 36m and 21m respectively. Poles are required to be fixed all along the boundary at a distance 3m apart. The number of poles required will be
(A) 39 (B) 38
(C) 37 (D) 40

73. A cuboidal block of $6\ cm \times 9\ cm \times 12\ cm$ is cut up into an exact number of equal cubes. The least possible number of cubes will be
(A) 6 (B) 9
(C) 24 (D) 30

74. From a circular sheet of paper with a radius of 20 cm, four circles of radius 5 cm each are cut out. What is the ratio of the areas of uncut to the cut portion?
(A) 1 : 3 (B) 4 : 1
(C) 3 : 1 (D) 4 : 3

75. The total cost of a bag and a T-shirt is Rs 200, Dinesh buys 4 bags and 2 T-shirts for Rs 650. How much does a T-shirt and 2 bags cost?
(A) Rs 355 (B) Rs 350
(C) Rs 305 (D) Rs 352

SECTION – 'C' : GENERAL KNOWLEDGE

76. Generally, a steep hill with an elevation of more than _____ meters Is termed as a mountain?
(A) 300 mts (B) 400 mts
(C) 500 mts (D) 600 mts

77. Glaciers are found in _____.
(A) Plains (B) Mountains
(C) Rivers (D) Plateau

78. Which temples are well known for their Nagara style symbolism and Erotic figures and sculptures?
(A) Akshardham (B) Khajuraho
(C) Hampi (D) Ajanta

79. Which of the following is the oldest stone structures in India?
(A) Hampi (B) Tajmahal
(C) Sanchi (D) Red Fort

80. The structure of the Earth is divided into _____.
(A) 3 (B) 4
(C) 5 (D) 6

81. Which scientist discovers the force of gravity?
(A) Stephen Hawking (B) Galileo Gallie
(C) Thomas Edison (D) Issac Newton

82. Non-renewable energy sources?
(A) Sun, Wind, Water, etc.
(B) Timber, Metals, Ocean waves
(C) Coal, oil, natural gas, nuclear energy etc.
(D) None of these

83. The main composition of biogas is _____.
(A) Butane (B) CO_2
(C) Nitrogen (D) Methane

84. National Flag was adopted on
(A) 26 January (B) 22 July
(C) 26 November (D) 24 January

85. Lohri is celebrated in which month of the year?
(A) January (B) February
(C) March (D) April

86. Berana' is the Wedding ceremony of?
(A) Hindu (B) Parsis
(C) Sindhi (D) Himachali

87. Kalamkari paintings are associated with which state of India?
(A) Andhra Pradesh (B) Uttar Pradesh
(C) Kerala (D) Tamilnadu

88. Highest Civilian Award of India is?
(A) Bharat Ratna (B) Padma Vibhusan
(C) Padma Bhusan (D) Padma Shri

89. The National song of India "Vande Mataram" was composed by?
(A) Md. Iqbal
(B) Rabindra Nath Tagore
(C) Bankim Chandra Chatterjee
(D) Jai Shankar Prasad

90. Which of the following places is famous for Chikankari work, which Is a traditional art of embroidery?
(A) Jaipur (B) Lucknow
(C) Kanpur (D) Agra

91. Makki di Roti & Sarson da Saag is Famous dish of
(A) West Bengal (B) Punjab
(C) Rajasthan (D) Uttar Pradesh

92. Which continent (Country) has no active volcano?
(A) Asia (B) Europe
(C) Australia (D) North America

93. What does Condensation mean?
(A) The process where water vapor converts into liquid water.
(B) The process where liquid water converts into vapor.
(C) The process gaseous change to rain water
(D) None of these

94. What is the other name of the water cycle?
(A) Biologic or biological cycle
(B) hydrologic or hydrological cycle
(C) Biological and hydrological cycle
(D) None of these

95. What is the freshwater percentage (%) on the earth?
(A) 3 (B) 4
(C) 5 (D) 6

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96. Boiling involves a change of state from _____.
(A) Liquid to Gas
(B) Gas to Liquid
(C) Solid to Liquid
(D) Liquid to Solid

97. Freshwater running underground are called
(A) Rivers
(B) Streams
(C) Creeks
(D) Aquifers

98. The water cycle is driven by the
(A) Oceans
(B) Clouds
(C) Moon
(D) Sun

99. The Apex bank for providing Agricultural Refinance in India is
(A) SBI
(B) NABARD
(C) RBI
(D) Bank of Baroda

100. Which is the largest tribe in India?
(A) Bhil
(B) Gond
(C) Baiga
(D) None of these

SECTION – 'D' : INTELLIGENCE

101. Plant : Seed :: ? : Bud
(A) Leaf
(B) Twig
(C) Flower
(D) Fruit

102. Fish : Shoal
(A) Audience : Theater
(B) Shark : School
(C) Elephant : Flock
(D) Whale : Herd

103. 'Numismatic' is related to 'Coin' in the same way as 'Paleontology' is related to
(A) Earth
(B) Soil
(C) Fossils
(D) Stones

104. I : Gardening :: Bat : ll
(A) I. Grass, II. Playing
(B) I. Flowers, II. Ball
(C) I. Spade, II. Cricket
(D) I. Gardner, II. Cricket

105. Looking at a woman sitting next to him. Amit said, "She is the sister of the husband to my wife". How is the woman related to Amit?
(A) Daughter
(B) Sister
(C) Wife
(D) Niece

106. APPLE : 50 :: ORANGE : ?
(A) 60
(B) 69
(C) 61
(D) 63

107. 20 : 50 :: 100 : ?
(A) 150
(B) 250
(C) 200
(D) 156

108.   (A) Pathology
(B) Geology
(C) Cardiology
(D) Radiology

109. 2, 3, 6, 7, 14, 15, ?
(A) 16
(B) 30
(C) 31
(D) 32
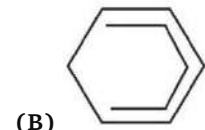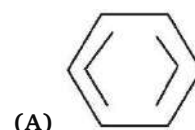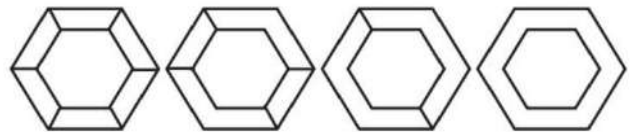
110. D9Y, J27S, P81M, V243G, ?
(A) A324B
(B) C729B
(C) B729A
(D) A729B

111. opo_ _ po_ppo_ _ pppo _ op _ p
(A) opopooo
(B) opooooop
(C) opopoop
(D) ooopppo

112. Find the pattern and select figure from alternatives which should come after the question figures.
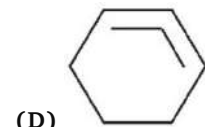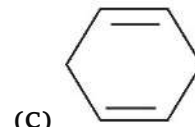
(A)   (B)

(C)   (D)

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113. If FLATTER is coded as 7238859 and MOTHER is coded as 468159, then how is MAMMOTH coded?
(A) 4344681 (B) 4344651
(C) 4146481 (D) 4346481

114. Which one of the given responses would be meaningful order of the following?
(1) Plant (2) Seed
(3) Fruit (4) Seedling
(A) (4), (2), (3), (1) (B) (2), (3), (1), (4)
(C) (4), (1), (3), (2) (D) (3), (2), (4), (1)

115. Statement
    I. Some men are good.
    II. Some men are wise.
Conclusions:
    I. Some wise men are good.
    II. Some good men are wise.
(A) Only II follow
(B) Only I follow
(C) Both I and II follow
(D) Neither I Nor II follows

116. Arrange the following words as per order in the dictionary:
1. Mischange 2. Mischievous
3. Mischief 4. Miscellaneous
(A) 4, 2, 1, 3 (B) 4, 1, 3, 2
(C) 4, 3, 1, 2 (D) 3, 2, 4, 1

117. Two squads of soldiers A and B, facing East and West respectively received the following commands - Left Turn, About Turn, Right Turn, Left Turn. Which directions would the squads A and B face at the end?
(A) East, West (B) West, East
(C) North, South (D) South, North

118. Sharda started to move in the direction of south. After moving 15 meters, she turned to her left-twice and moved 15 meters each time. Now how far is she and in which direction from her starting point?
(A) 15 m, East (B) 15 m, South
(C) 30 m, East (D) 20 m, West

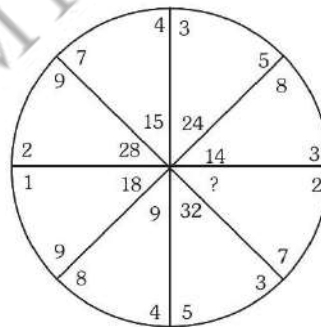**119.** If $+ = \times$, $- = \div$, $\times = +$, $\div = -$, then which is the correct equation out of the following?
(A) $18 \div 6 + 4 - 2 \div 3 = 22$
(B) $18 + 6 - 4 \times 2 \div 3 = 26$
(C) $18 \times 6 - 4 + 7 \times 8 = 47$
(D) $18 - 6 \times 7 \div 2 + 8 = 63$

Select the missing number from the given response.

120.
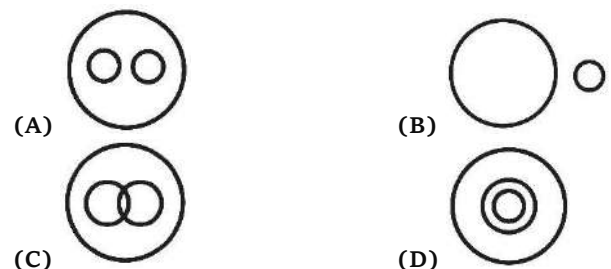(A) 14400 (B) 15600
(C) 23040 (D) 17400

121.
(A) 20 (B) 25
(C) 10 (D) 15

122. If 'Stress' is coded as Rtress. Then 'Pulse' will be coded as
(A) Fulse (B) Rulse
(C) Qulse (D) Oulse

**123.** Which of the following diagrams represents the correct relationship between Herbivores, Tigers and an Animals?
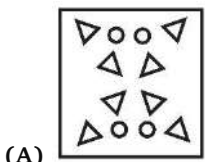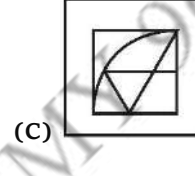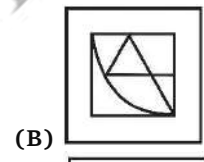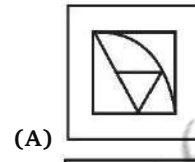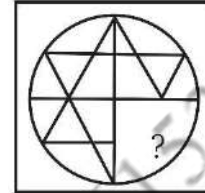

(A) (B)
(C) (D)

LAKSHYA ACADEMY

SAINIK SCHOOL | MILITARY SCHOOL | RIMC [ONLINE & OFFLINE]
JAIPUR(RAJ.) [9636961534] | PATNA(BIHAR) [8426961534] | LUCKNOW(UP) [8000512123]

124. A piece of paper is folded and cut/punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

(A)

(B)

(C)

(D)
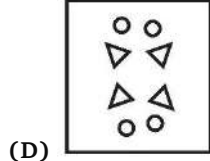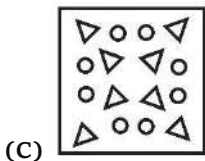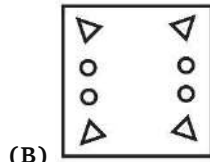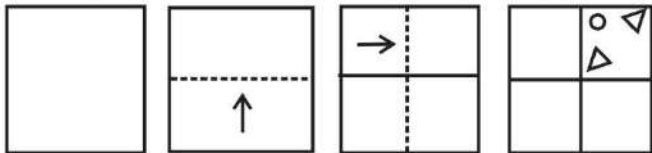
125. Which answer figure will complete the pattern in the question figure?

(A)

(B)

(C)

(D)