

# ENTRANCE EXAMINATION – 2019

## SET – A

ROLL NO.

6 0 4 1 5 2 4 5

Signature of Invigilator

Time : 1 HOUR 45 MINUTES

Total Marks : 100

### Instructions to Candidates

- Do not write your name or put any other mark of identification anywhere in the OMR Response Sheet. **IF ANY MARK OF IDENTIFICATIONS IS DISCOVERED ANYWHERE IN OMR RESPONSE SHEET, the OMR sheet will be cancelled, and will not be evaluated.**
- This Question Booklet contains the cover page and a total of 100 Multiple Choice Questions of 1 mark each
- Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.
- There is negative marking in Multiple Choice Questions. For each wrong answer 0.25 marks will be deducted.
- USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iPhone, iPad, page ETC. is strictly **PROHIBITED**.
- Candidate should check the serial order of questions at the beginning of the test. If any question is found missing in the serial order, it should be immediately brought to the notice of the invigilator. No pages should be torn out from this question booklet.
- Answers must be marked in the OMR response sheet which is provided separately. OMR Response sheet must be handed over to the invigilator before you leave the seat.
- The OMR response sheet should not be folded or wrinkled. The folded or wrinkled OMR Response Sheet will not be evaluated.
- Write your Roll Number in the appropriate space (above) and on the OMR Response Sheet. Any other details, if asked for, should be written only in the space provided.
- There are four options to each question marked A, B, C and D. Select one of the most appropriate options and fill up the corresponding oval/circle in the OMR Response Sheet provided to you. The correct procedure for filling up the OMR Response Sheet is mentioned below.
- Use Black or Blue Ball Pen only for filling the ovals/circles in OMR Response Sheet. Darken the selected oval/circle completely. If the correct answer is 'B', the corresponding oval/circle should be completely filled and darkened as shown below.

### CORRECT METHOD

A B C D

### WRONG METHOD

A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D

10. The correct meaning of the proverb/idiom – 'To hit the nail right on the head' is:
- To do the right thing
  - To destroy one's reputation
  - To announce one's fixed views
  - To teach someone a lesson
11. You are not \_\_\_\_\_ for this kind of job.
- cut in
  - cut up
  - cut through
  - cut out
12. One who possesses many talents
- Versatile
  - Nubile
  - Exceptional
  - Gifted
13. The study of ancient societies is called
- Anthropology
  - Archaeology
  - History
  - Ethnology
14. List of the business or subjects to be considered at a meeting
- Schedule
  - Timetable
  - Agenda
  - Plan
15. Change the Speech of - "Please don't go away", she said.
- She said to please her and not go away.
  - She told me to go away.
  - She begged me not to go away.
  - She begged that I not go away.
16. Detect the common error in the following sentence:  
Supposing if / it rains / what shall / we do?
- Suppose if
  - it rains
  - what shall
  - we do?
17. Our task had been completed before sunset. (Change the Voice)
- We completed our task before sunset.
  - We have completed our task before sunset.
  - We complete our task before sunset.
  - We had completed our task before sunset.
18. More insurers are limiting the sale of property insurance in coastal areas and other regions \_\_\_\_\_ natural disasters.
- safe from
  - according to
  - despite
  - prone to

## SET A

1. There is no substitute \_\_\_\_\_ hard work.  
A) at  
B) over  
C) for  
D) to
2. Sincerity is great virtue. Here sincerity is \_\_\_\_\_.  
A) Common noun  
B) Abstract noun  
C) Proper noun  
D) Collective noun

3. Open your book \_\_\_\_\_ page fifty.  
A) at  
B) by  
C) on  
D) in

4. Choose the antonym to the word 'Lucid'.  
A) Evident  
B) Obvious  
C) Vague  
D) Explicit

5. Choose the synonym to the word 'Wary'.  
A) Sad  
B) Tired  
C) Vigilant  
D) Distorted

6. Which one is the correctly spelt word?  
A) Accoomodate  
B) Accommodate  
C) Accomodate  
D) Acommodate

7. Cloth: Mill :: Newspaper: \_\_\_\_\_.  
A) Press  
B) Editor  
C) Reader  
D) Paper

8. A mirror always \_\_\_\_\_.  
A) Distorts  
B) Retracts  
C) Refracts  
D) Reflects

9. Which of the following is found in 'Bravery'?  
A) Knowledge  
B) Courage  
C) Power  
D) Experts



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27. The last Mughal emperor was \_\_\_\_\_  
A) Aurangzeb  
B) Akbar  
C) Babar  
D) Bahadur Shah

28. Who is known as the Napoleon of India?  
A) Arya Gupta  
B) Samudra Gupta  
C) Kanda Gupta  
D) Ashoka

✓ 29. Who was the first woman President of Indian National Congress?  
A) Kamala Naidu  
B) Sarojini Naidu  
C) Annie Besant  
D) Indira Gandhi

30. In which State has Almond as its State Tree?  
A) Arunachal Pradesh  
B) Goa  
C) Himachal Pradesh  
D) Jammu & Kashmir

31. What is the acid present in Lemon?  
A) Oxalic Acid  
B) Citric Acid  
C) Gluconic Acid  
D) Tartaric Acid

32. Which is the Donor Blood Group?  
A) A  
B) B  
C) AB  
D) O

33. In which State the Elephant Falls located?  
A) Andhra Pradesh  
B) Odisha  
C) Meghalaya  
D) Karnataka

34. The Song Vande Mataram was composed by \_\_\_\_\_  
A) Rabindra Nath Tagore  
B) Bankimchandra Chatterji  
C) Satyajit Ray  
D) Shyam Sundar Das

35. Indian Army was established in \_\_\_\_\_  
A) 1895  
B) 1814  
C) 1945  
D) 1947

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19. Improve the following sentence by replacing the underlined part:  
If the room had been brighter, I would have been able to read for a while before bed time.
- A) Had the room been brighter
  - B) If the room are brighter
  - C) If the room was brighter
  - D) Had the brighter room

20. It has been established that  
P : Einstein was  
Q : although a great scientist  
R : weak in arithmetic  
S : right from his school days  
The Proper sequence of ordering of words should be:
- A) SRPQ
  - B) QPRS
  - C) QPSR
  - D) RQPS

21. The recent 'demonetisation' announced by government of India was in \_\_\_\_\_.
- A) November 2016
  - B) December 2016
  - C) November 2017
  - D) December 2017
22. Which is the oldest mountain range in India?
- A) Satpura Range
  - B) Aravali Range
  - C) Vindhya Range
  - D) Pir Panjal Range
23. Which is the Capital of the Union Territory of Dadra Nagar Haveli?
- A) Panaji
  - B) Dispur
  - C) Port Blair
  - D) Silvassa
24. Who gave the call for Evergreen Revolution?
- A) Sardar Patel
  - B) Verghese Kurien
  - C) M. S. Swaminathan
  - D) Man Mohan Singh

25. The place of India receiving the lowest rainfall is \_\_\_\_\_.
- A) Jaipur
  - B) Leh
  - C) Srinagar
  - D) Kolkata

26. Where is the National Stock Exchange located?
- A) New Delhi
  - B) Hyderabad
  - C) Chennai
  - D) Mumbai

54. Right to freedom of religion as enshrined in Article 25-28 includes
- A) Freedom of Conscience
  - B) Free profession
  - C) Practice and propagation of religion
  - D) All of the above
55. Red data book contains data of
- A) all plant species
  - B) all animal species
  - C) economically important species
  - D) threatened species
56. A light sensitive device that converts drawing, printed text or other images into digital form is
- A) Keyboard
  - B) Plotter
  - C) Scanner
  - D) OMR
57. 15th September is celebrated internationally as
- A) International Democracy Day
  - B) International Teachers Day
  - C) World Cancer Day
  - D) World Book Day
58. Monetary Policy as an arm of the economic policy is administered by
- A) Government of India
  - B) Reserve Bank of India
  - C) State Bank of India
  - D) Governments of the respective states
59. "One People, One State, One leader" was the policy of
- A) Hitler
  - B) Lenin
  - C) Mussolin
  - D) Stalin
60. India announced the successful conduct of anti-satellite missile test, called "Mission Shakti" on
- A) March 27, 2018
  - B) March 27, 2019
  - C) January 27, 2018
  - D) January 27, 2019
61. Four words are given, out of which three are same in a certain way while the rest one is different. Find out the different one.
- A) Teacher
  - B) Principal
  - C) student
  - D) Lecturer

45. The Mid Day Meal Scheme was launched on  
A) August 15, 2015  
B) August 15, 2005  
C) August 15, 1995  
D) August 15, 1985
46. In India the term 'Black Revolution' is associated with:  
A) Self-dependence in the production of coal  
B) Nurturing the Black Soil  
C) Self-dependence in the production of petroleum crude oil  
D) Self-dependence in the production of black corp
47. Which of the following items would not appear in a company's balance sheet?  
A) Value of stocks of raw materials held  
B) Total issued capital  
C) Revenue from sales of the company's products  
D) Cash held at the bank

48. Which of the following is the first Indian private company to sign an accord with Government of Myanmar for oil exploration in two offshore blocks in that country?

A) Reliance Energy  
B) Essar Oil  
C) GAIL  
D) ONGC

49. The 'Dronacharya Award' is given to?

A) Sportsmen  
B) Coaches  
C) Umpires  
D) Sports Editors

50. What is the name of the person that controls a football match?

A) A referee  
B) An umpire  
C) A spectator  
D) A goalkeeper

51. Who was the first Indian to win an individual medal in Olympics?

A) Milkha Singh  
B) P.T. Usha  
C) Karnam Malleshwari  
D) K.D. Jadhav

52. Who is the author of the book - 'Changing India'?

A) A.Narendra Modi  
B) Rahul Gandhi  
C) Manmohan Singh  
D) Arun Jaitley

53. Article 359 of the Constitution authorizes the president of India to suspend the right to move any court for the enforcement of Fundamental Rights during \_\_\_\_\_.

A) A national emergency  
B) A failure of constitutional machinery in States.  
C) A financial emergency.  
D) None of Above.



36. Which of the following country has a border with India to the north west?
- A) Afghanistan
  - B) Myanmar
  - C) Sri Lanka
  - D) Bhutan

37. Which is the following Indian Peninsular River known as 'Dakshin Ganga'?
- A) Brahmani
  - B) Cauvery
  - C) Godavari
  - D) Krishna

38. Electric bulb filament is made of
- A) Copper
  - B) Aluminum
  - C) Lead
  - D) Tungsten

39. Which of the following is used in pencils?

- A) Graphite
- B) Silicon
- C) Charcoal
- D) Phosphorous

40. Which of the following planet has the fastest period of revolution?

- A) Earth
- B) Mars
- C) Mercury
- D) Pluto

41. The hardest substance available on earth is

- A) Gold
- B) Iron
- C) Diamond
- D) Platinum

42. Light year is a unit of \_\_\_\_\_

- A) Time
- B) Distance
- C) Light
- D) Intensity of light

43. Rainbow is due to \_\_\_\_\_.

- A) absorption of sunlight in minute water droplets
- B) diffusion of sunlight through water droplets
- C) ionisation of water deposits
- D) refraction and reflection of sunlight by water droplets

44. Open market operation is a part of:

- A) Credit Policy
- B) Debit Policy
- C) Deposit Policy
- D) Foreign Policy



70. If South-East becomes North and South becomes North-East and all the rest directions are changed in the same manner, then what will be the direction for West?
- North-East
  - North-West
  - South-East
  - South-West

71. In a row of trees, a tree is 7<sup>th</sup> from left end and 14<sup>th</sup> from right end. How many tree are there in the row?
- 19
  - 20
  - 21
  - 22

72. The chairman entered in the Assembly Hall at 10 min. before 12.30 hours to conduct the interview. The chairman was 20 min. earlier than the managing director. The managing director was 30 min. late as per the time fixed. What was the time fixed for interview?

- 12:10
- 12:20
- 12:30
- 12:40

73. If 'x' stands for 'addition', '<' for 'subtraction', '+' for 'division', '>' for 'multiplication' '-' for 'equal to', '-' for 'greater than' and '=' for 'less than', then state which of the following is true?

- $3 \times 4 > 2 - 9 + 3 < 3$
- $5 \times 3 < 7 \div 8 + 4 \times 1$
- $5 > 2 + 2 = 10 < 4 \times 8$
- $3 \times 2 < 4 \div 16 > 2 + 4$

74. Solve the following question and choose the correct alternative from the following. 1, 2, 3, 4, and 5 are sitting in row but not necessarily in that order. All of them are sitting in a row with their backs toward North. 3 is immediate right to 5 and 4 is immediate left to 1. Only 2 is between 1 and 5. Which of the following are at the extreme ends?

- 3, 4
- 2, 5
- 2, 1
- 4,

75. Find the missing number in the sequence: 4, 10, 28, ?, 244, 730.

- 24
- 77
- 82
- 98

76. What will be the difference between the sum of the odd digits and the sum of the even digits in the number 857423?

- 0
- 1
- 2
- 3

62. Four words are given, out of which three are same in a certain way while the rest one is different. Find out the different one.
- Square
  - Triangle
  - Area
  - Rectangle
63. Thermometer : Temperature :: Glucometer : ?
- Body sugar
  - Body resistance
  - Blood
  - Blood sugar
64. Statements: Some pearls are jewels. Some jewels are ornaments.  
Conclusions: I. Some jewels are pearls. II. Some ornaments are jewels.
- Both I and II follows.
  - Neither I nor II follows.
  - Only Conclusion I follows.
  - Only Conclusion I follows.

65. A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

- 23 years
- 32 years
- 45 years
- 54 years

66. Which one is different from other three?

- ZYXW
- MNOP
- HGFE
- DCBA

67. If HARD is coded as 1357 and SOFT is coded as 2468, what do the figures 21448 stand for?

- SHOOP
- SHOOL
- SCOOL
- SHOOT

68.  $(1/4) : (1/8) :: (2/3) : ?$

- $1/4$
- $1/3$
- $1/2$
- $2/7$

69. Country : President :: State : ?

- Chief Minister
- Prime Minister
- Speaker
- Governor

77. Ram finished test ahead of Shyam. Shyam and Haris both finished before Shiris. Yogesh did not finish last. Who was the last to finish?
- A) Yogesh
  - B) Haris
  - C) Shyam
  - D) Shiris

78. The criminal justice system needs to change. The system could be more just if it allowed victims the opportunity to confront the person who has harmed them. Also, mediation between victims and their offenders would give the offenders a chance to apologize for the harm they have done.

This paragraph best supports the statement that victims of a crime should

- A) learn to forgive their offenders
- B) have the right to confront their offenders
- C) insist that their offenders be punished
- D) have the right to impose a sentence on their offenders

79. A few states in this country are considering legislation that would prohibit schools from using calculators before the sixth grade. Other states take a different position. Some states are insisting on the purchase of graphing calculators for every student in middle school.

This paragraph best supports the statement that in this country

- A) there are at least two opinions about the use of calculators in schools
- B) state legislators are more involved in education than ever before
- C) the price of graphing calculators is less when schools buy in bulk
- D) the argument against calculators in schools is unfounded.

80. In the past, consumers would rarely walk into an ice cream store and order low-fat ice cream. But that isn't the case today. An increasing health consciousness combined with a much bigger selection of tasty low-fat foods in all categories has made low-fat ice cream a very profitable item for ice cream store owners.

This paragraph best supports the statement that

- A) low-fat ice cream produces more revenue than other low-fat foods
- B) ice cream store owners would be better off carrying only low-fat ice cream
- C) ice cream store owners no longer think that low-fat ice cream is an unpopular item
- D) low-fat ice cream is more popular than other kinds of ice cream

81. A train covers a distance of 12 kms in 10 minutes. If it takes 6 seconds to pass a telegraph post, then the length of train is,

- A) 140 m
- B) 120 m
- C) 100 m
- D) 200 m

82. A student divided a number by  $\frac{1}{4}$  when he is required to multiply it by 4. Calculate the percentage of error in his result.

- A) 0 %
- B) 100%
- C) 25%
- D) 50%



83. A man took loan from a bank at the rate of 12% p.a. simple interest rate. After 3 years he had to pay Rs 5400 interest only for the period. The principal amount borrowed by him was:
- A) Rs 15000
  - B) Rs 10000
  - C) Rs 20000
  - D) Rs 5000

84. Divide 0.81 by 0.09 is equal to
- A) 0.9
  - B) 0.09
  - C) 0.009
  - D) 9

85. What is the highest common factor of 36 and 84?
- A) 4
  - B) 6
  - C) 12
  - D) 18

86. The ratio of two numbers is 3:4 and their HCF is 4. What is LCM of these two numbers?
- A) 12
  - B) 24
  - C) 36
  - D) 48

87. If  $a^x = b^y$ , then:
- A)  $\log a/b = x/y$
  - B)  $\log b/a = y/x$
  - C)  $\log a/\log b = x/y$
  - D)  $\log a/\log b = y/x$

88. Ram sells a commodity to Rahim at a profit of 10%. Rahim sells the commodity back to Ram at a loss of 10%. In this transaction:
- A) Ram neither losses nor gains
  - B) Ram makes a profit of 11%
  - C) Ram makes a profit of 20%
  - D) Rahim loses 20%

89. An error 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is:
- A) 2%
  - B) 2.02%
  - C) 4%
  - D) 4.04%

90. How many terms are there in 20, 25, 30 ..... 140.
- A) 22
  - B) 25
  - C) 23
  - D) 24



91. A 6% stock yields 8%. The market value of the stock is:  
A) Rs. 48  
B) Rs. 75  
C) Rs. 96  
D) Rs. 100
92. If one-third of one-fourth of a number is 15, then three-tenth of that number is:  
A) 35  
B) 36  
C) 45  
D) 54
93. What is the probability of getting a sum 9 from two throws of a dice?  
A)  $\frac{1}{6}$   
B)  $\frac{1}{8}$   
C)  $\frac{1}{9}$   
D)  $\frac{1}{12}$
94. The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?  
A) 3 : 3 : 10  
B) 10 : 11 : 20  
C) 23 : 33 : 60  
D) 13 : 14 : 30
95. To find the average speed of a journey which is the appropriate measure of central tendency?  
A) Arithmetic Mean  
B) Weighted Mean  
C) Geometric Mean  
D) Harmonic Mean
96. A worker completes  $\frac{5}{8}$  of a job in 10 days. At this rate, how many more days will it takes him to finish the job?  
A) 6  
B) 7  
C) 8  
D) 9
97. There are two examinations rooms A and B. If 10 students are sent from A to B, then the number of students in each examination room is equal.

99. Which of the following relationship is correct?
- A)  $A.M. \geq G.M. \geq H.M.$
  - B)  $H.M. \geq G.M. \geq A.M.$
  - C)  $G.M. \geq A.M. \geq H.M.$
  - D)  $A.M. \geq H.M. \geq G.M.$

100. A shopkeeper earns a profit of 12% on selling a book at 10% discount on the printed price. The ratio of the cost price and the printed price of the book is:
- A) 45:56
  - B) 45:51
  - C) 47:56
  - D) 47:51



$$45 \times 184 \times \frac{3}{10}$$

54

$$\begin{matrix} 200 & 300 & 500 \\ 230 & 330 & 600 \end{matrix}$$

$$\frac{4}{36} \times \frac{1}{4}$$

$$40$$

$$60$$

$$100$$

$$40$$