NARAYANA
IIT-JEE/NEET/FOUNDATION
JAIPUR CENTER

46 YEARS OF EXCELLENCE
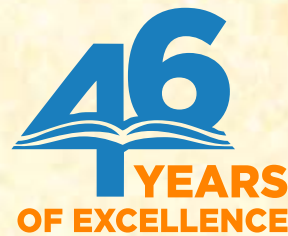
N-ASAT

NARAYANA ADMISSION & SCHOLARSHIP APTITUDE TEST

SAMPLE TEST PAPER

CLASS 5 (MOVING TO 6)

Your Gateway to Desired Success in
JEE (Main+Adv) / NEET

REASONING ABILITY

1. Arrange the given words in alphabetical order and choose the one that comes second

   (A) Wasp   (B) Waste   (C) War   (D) Wrinkle

2. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to the group

   (A) Sand   (B) Cement   (C) Building   (D) Bricks

3. If **Boy** is coded as **750**, and **Toy** is coded as **7500**, how is '**HAS**' coded :

   (A) 152   (B) 171   (C) 133   (D) 100

4. P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. S is to the right of R and is facing West. Then, Q is facing

   (A) North   (B) South   (C) East   (D) West

5. Choose the correct water image of given figure (X) out of given options.

   (X)

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

6. Mita is taller than Rita but not as tall as Soni. Rita is taller than Sarita. Soni is not as tall as Rupa. Who among them is the tallest ?

   (A) Mita   (B) Rupa   (C) Soni   (D) Sarita

7. If it is possible to make a meaningful word with the second, sixth, ninth and twelfth letters of the word 'CONTRIBUTION', which of the following be last letter of that word ?

   (A) N   (B) O   (C) T   (D) M

8. A number is greater than 5 but less than 9. Also, it is greater than 7 but less than 10. The number is

(A) 5   (B) 6   (C) 7   (D) 8

9. Find the missing number of the series given below :

2, 7, 17, 37, 77, ?

(A) 131   (B) 157   (C) 163   (D) 179

10. Identify the odd one out.

(A) 1   (B) 9   (C) 12   (D) 36

11. Choose the alternative from the given options which will complete the series

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

12. Find missing term in the series :

2, 3, 5, 7, 11, 13, 17, 19, ?

(A) 21   (B) 22   (C) 23   (D) 24

13. If 24 out of 32 people are Hindus, then which of the following figures best depicts/represents the 'Hindus'?

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

14. Choose the correct water image of given word out of given options.

DISC

(A) CSID   (B) ƆꙄIꓷ   (C) ꓷIꙄƆ   (D) DISC

15. Which letter will be the mid way between the 14th letter from left end and 19th letter from the right end of the following alphabets?

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

(A) I   (B) K   (C) M   (D) G

16. A boy rode his bicycle Northwards, then turned left and rode 1 km and again turend left and rode 2 km. He found himself exactly 1 km west of his starting point. How far did he ride northwards initially?

   (A) 1 km   (B) 2 km   (C) 3 km   (D) 5 km

17. In the following question, a group of four figures is given. Out of which three figure are similar to each other in a certain way and one is different from other. Find the odd figure out.
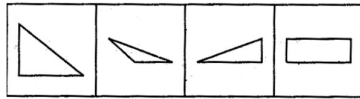
   (A)   (B)   (C)   (D)

18. If APPLE is coded as BOQKF then FRUIT is coded as what

   (A) GQVJU   (B) EQVHS
   (C) GQVHU   (D) ESVHS

19. How many 4's are there preceded by 7 but not followed by 3?

   5 9 3 2 1 7 4 2 6 9 7 4 6 1 3 2 8 7 4 1 3 8 3 2 5 6 7 4 3 9 5 8 2 0 1 8 7 4 6 3

   (A) Three   (B) Four   (C) Six   (D) Five

20. Starting from a point, Raju walked 12 m North, he turned right and walked 10 m, he again turned right and walked 12 m. Then he turned left and walked 5m. How far is he from the starting point?

   (A) 27 m   (B) 5 m   (C) 10 m   (D) 15 m

21. Choose the correct mirror image of the word :

   DIVERSION
   (A) ИOISЯƎVIᗡ   (B) ИOISЯƎVIᗡ
   (C) ИOISЯƎIVᗡ   (D) ИOISЯƎVIᗡ

22. Omprakash ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class?

   (A) 45   (B) 46   (C) 47   (D) 48

23. In the following series which number will be fourth to the right of seventh number from the left?

   7, 3, 9, 7, 0, 3, 8, 4, 6, 2, 1, 0, 5, 11, 13

   (A) 2   (B) 1   (C) 0   (D) 6

24. Complete the following series : 22, 24, 28, ?, 52, 84

(A) 36   (B) 38   (C) 42   (D) 46

25. Find the missing term. C-2, E-3, G-4, I-5, ...

(A) H-6   (B) J-8   (C) K-6   (D) L-7

PHYSICS

26. What did people in ancient time use for measurement ?

(A) Body parts   (B) Ruler   (C) Thermometer   (D) Clock

27. Which of the following is not natural hazard ?

(A) Earthquake   (B) Cyclone   (C) Land slide   (D) Road accidents

28. An instrument for making distant objects appear nearer and larger is :

(A) Microscope   (B) Telescope   (C) Stethoscope   (D) Kaleidoscope

29. Which of the following is a renewable resource?

(A) Soil   (B) Water

(C) Flora and fauna   (D) Coal

30. If positive work is done on the object, its kinetic energy :

(A) Decreases   (B) Increases

(C) Remains same   (D) May increase or decrease

31. Who is the writer of the book "How we found the earth is round" ?

(A) Issac Asimov   (B) Robert Frost

(C) Anton Chekov   (D) Raskin Bond

32. The one meter will be formed by combining _____ centimetre.

(A) 10   (B) 100   (C) 1000   (D) 15

33. The ability to do work is called

(A) work   (B) energy   (C) force   (D) time

34. Sudden shake of earth is called

(A) Lightning   (B) Earthquake

(C) Flooding   (D) None of the above

35. The unit to measure force is Newton(N) and force can change _____.

(A) State of motion or rest   (B) Shape of an object

(C) Size of an object   (D) All of these

CHEMISTRY

36. Mixture of water and sugar is called

(A) Syrup   (B) Mixture   (C) Soluble   (D) none of these

37. Which of the following method is used to purify the water?

(A) Boiling   (B) Sedimentation

(C) Decantation   (D) All of the above

38. How is an igneous rock formed?

(A) From earth's internal pressure   (B) From cooled molten magna

(C) From the deposition of sediments   (D) From the earth's fossils

39. The process of setting down of heavy particle s is called.

(A) Sedimentation   (B) Decantation

(C) Threshing   (D) Winnowing

40. Clouds are formed in which layer of atmosphere?

(A) Litho sphere   (B) Iono sphere

(C) Stratospere   (D) Troposphere

41. Metamorphic rocks are the results of

(A) Sedimentation of particles   (B) Weathering and erosion

(C) High heat & Pressure   (D) Water and Pressure

42. Instead of nitrogen and carbon dioxide gases, which of the following is main gas component in our atmosphere?

(A) Hydrogen   (B) Oxygen   (C) Helium   (D) None of these

43. The part of earth that contains water is called
   (A) Atmosphere   (B) Lithosphere
   (C) Hydrosphere   (D) Troposphere

44. The following events describe the rock cycle except:
   (A) Magma or lava cools, farming igneous rock
   (B) Extreme heat and pressure produce metamorphic rock
   (C) Sediments are created deep beneath earth's surface
   (D) Water brings in the sediments from other places

45. What is a common method of separation to separate tea leaves from water?
   (A) Filtration   (B) Sedimentation
   (C) Decantation   (D) Threshing

BIOLOGY

46. Teeth involved in cutting of food material are called –
   (A) Canines   (B) Incisors
   (C) Molars   (D) Premolars

47. Which of the following thing is not required for germination of seed?
   (A) Water   (B) Correct temperature
   (C) Good quality of soil   (D) Light

48. In aerial animals the forelimbs are modified into –
   (A) Wings   (B) Hind limbs
   (C) Body   (D) Air – chambers

49. In human being gastric juice is secreted by –
   (A) Liver   (B) Stomach
   (C) Pancreas   (D) Small intestine

50. From which part of plant can rose be grown?
   (A) Roots   (B) Stems
   (C) Leaves   (D) Flower

51. Hibernation means –

(A) Long sleep during winter (B) Short sleep during winter

(C) Short sleep during summer (D) Long sleep during summer

52. The main organ for digestion and absorption of food is –

(A) Large intestine (B) Small intestine

(C) Stomach (D) Liver

53. From which part of the plant can Bryophyllum be grown -

(A) Roots (B) Stems

(C) Leaves (D) None of these

54. Change in colour of some organisms according to the background, to protect themselves is called –

(A) Mimicry (B) Moulting

(C) Camouflage (D) none of these

55. In human being number of stomach is –

(A) 1 (B) 2 (C) 3 (D) 4

MATHEMATICS

56. Which is the correct word form of 9.04?

(A) nine and four tenths (B) Ninety and four hundredths

(C) nine and four hundredths (D) nine and four thousandths

57. Which of the following is greater than a right angle?

(A) (B)

(C) (D)
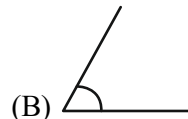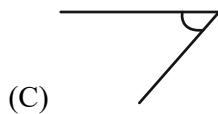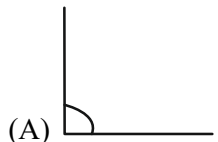
58. $\frac{1}{2}$ of a year

(A) 1 month (B) 6 months

(C) 4 months (D) none of these

59. Which letter does not have a line of symmetry?

(A) G   (B) T

(C) E   (D) All of these

60. Which of the following are two consecutive prime numbers that differ by 2?

(A) Co primes   (B) Twin Primes

(C) Composite Numbers   (D) Both (A) and (B)

61. ------------ = $2l+2b$

(A) perimeter of rectangle   (B) area of rectangle

(C) perimeter of square   (D) area of square

62. What is the place value of the 5 in the following number 132, 077, 689, 050.

(A) Ten   (B) ten thousand

(C) ten million   (D) ten billion

63. Which of the following is not drawn in diagram?
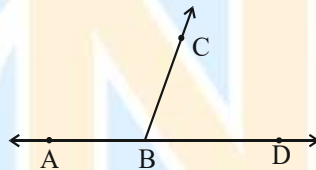
(A) Ray BD   (B) Line AD

(C) Angle ABC   (D) Line segment CD

64. Simplest form of $\dfrac{4}{20}$ is

(A) $\dfrac{1}{5}$ (B) $\dfrac{1}{6}$

(C) $\dfrac{1}{7}$ (D) 5.

65. Which of the following letter does not have a rotational symmetry?

(A) A   (B) H

(C) X   (D) None of these

66. Which type of numbers have more than two factors?

(A) Even Numbers   (B) Prime Numbers

(C) Composite Numbers   (D) Odd Numbers

67. The area of a square is 64 cm² find its perimeter

(A) 32 cm

(B) 24 cm

(C) 8 cm

(D) 64 cm

68. Pick the odd one out keeping in mind the divisibility rules of 3.

(A) 252

(B) 367

(C) 183

(D) 492

69. Mark the correct alternative of the following the number of degrees in 3 right angles Is?

(A) 180º

(B) 360º

(C) 270º

(D) 90º

70. Reciprocal of $1\dfrac{3}{7} =$

(A) $\dfrac{7}{10}$

(B) $\dfrac{3}{10}$

(C) $\dfrac{5}{10}$

(D) $1\dfrac{7}{3}$

71. The perimeter of a rectangle is 54 cm and its breadth is 12 cm find its length

(A) 15 cm

(B) 5 cm

(C) 10 cm

(D) 12 cm

72. How many prime numbers are there from 50 to 100?

(A) 18

(B) 12

(C) 10

(D) 20

73. The third side of the triangle if the perimeter of a triangle is 20m and two of its sides are 7m and 6m is

(A) 7m

(B) 10m

(C) 6m

(D) 5m

74. This is the value of where the digit is in the number such as units, tens, hundreds etc

(A) time value

(B) place value

(C) difference value

(D) face value,

75. An angle measuring 270º is

(A) an obtuse angle

(B) an acute angle

(C) a straight angle

(D) a reflex angle

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ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	A	C	A	C	D	B	B	D	B	C
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	B	C	D	C	B	B	D	C	B	D
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	A	B	B	A	C	A	D	B	D	B
Que.	31	32	33	34	35	36	37	38	39	40
Ans.	A	B	B	B	D	A	A	B	A	D
Que.	41	42	43	44	45	46	47	48	49	50
Ans.	C	B	C	C	A	B	D	A	B	B
Que.	51	52	53	54	55	56	57	58	59	60
Ans.	A	B	C	C	A	C	D	B	A	D
Que.	61	62	63	64	65	66	67	68	69	70
Ans.	A	A	D	A	A	C	A	B	C	A
Que.	71	72	73	74	75					
Ans.	A	C	A	B	D					

NARAYANA
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Sector 77, Faridabad
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Raj Nagar Extn. Ghaziabad
Greater Noida
Rohtak
Hisar
Kanpur
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Punjabi Bagh*
Dwaraka (Sec-12)*
Janakpuri*
Mayur Vihar*
Gurgaon*
Faridabad*
Preet Vihar*

Jammu

Amritsar-Alpha City
Amritsar-Blue Valley
Ludhiana - Jalandhar Bypass
Ludhiana - Dugri
Ludhiana*
Ludhiana - Chandigarh Road
Chandigarh*
Mohali
Bathinda
Jalandhar

Jaipur-Vaishali Nagar
Jaipur-Pratap Nagar
Jaipur-Jhotwara
Jaipur-Gopalpura*
Jaipur-Hanuman Nagar*
Bhilwara
Ajmer
Alwar
Jodhpur

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Bohal (Kolar Road)
Indore
Ujjain
Gwalior

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Varanasi*
Kanpur*

Guwahati*

Ranchi*
Dhanbad*
Jamshedpur*

Bhopal*
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Indore, Vijaynagar*
Gwalior*
Jabalpur*
Indore

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Adajan*
Vesu*
Surat*

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Andal
Andul
Asansol
Barasat
Burdwan
Durgapur
Fulbari
Haldia
Howrah
Kalyani Town
Maheshtala
Rishra
Siliguri
Sodepur (kal Exp)
Sonarpur
Park Street*
Kalimpong
Park Circus

Unit-8
Patia
Cuttack - Naupada

Andheri
Nagpur
Bhayandar
Borivali
Dombivli
Kalyan
Thane
Nalasopara
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Kammanahalli
Kasturi Nagar
Koramangala
KR Puram
Marathahalli
Nagarabhavi
Nandini Layout
RK Layout
RM Nagar
RT Nagar
Sahakar Nagar
Vidyaranyapura
Yelahanka New Town
Margondanahalli
Mallasandra
Whitefield
Uttarahalli

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KERALA
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Krishna
Kurnool
Nellore
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Visakhapatnam
West Godavari

Nalgonda
Suryapeta
Miryaluguda
Khammam
Kothagudem
Warangal
Mahabubabad
Karimnagar
Jagityala
Mancherial
Siddipet
Nizamabad
Nirmal
Vikarabad
Rangareddy
Hyderabad*
Medchal

Ambattur
Arumbakkam
Chinmaya Nagar
ECR
Gopalapuram
Kolathur
Maduravoyal
Mogappair
M.R Nagar
OMR
Pallavaram
Pattalam
Porur
Poonamallee Outer Ring Road (Hostel)
Ramapuram
Tambaram
Valsarvakkam
Walltax Road

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COACHING CENTERS

Narayana Jaipur Center (North India Head Quarter)

Campus-1 (City H.O.): B-28, 10-B Scheme, Near Ridhi Sidhi Circle, Gopalpura Bypass
Campus-2: B-293, 10-B Scheme, Rudra Tower, Opp. Indian Oil Pump, Gopalpura Bypass
Campus-3: 392, Shri Gopal Nagar, Gopalpura Bypass
Campus-4: Plot A-14 & 36, Near Khatipura Tiraha, Hanuman Nagar
Campus-5: Plot No.4, Shri Gopal Nagar, Near Zudio, Gopalpura Bypass
Campus-6: 3-A, D. L. Tower, Vidyashram Institutional Area, Behind RAS Club, JLN Marg

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