



**NARAYANA**  
IIT-JEE/NEET/FOUNDATION

**JAIPUR  
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# **N-ASAT**

**NARAYANA ADMISSION & SCHOLARSHIP APTITUDE TEST**

**SAMPLE TEST PAPER**

**CLASS 7 (MOVING TO 8)**

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

**GENERAL INSTRUCTIONS:**

This test paper contains **75 Multiple choice questions**. Each questions have four choices (A), (B), (C) and (D) out of which **ONLY ONE** is correct. For every correct answer **4 marks** are awarded and for wrong answer there is a negative marking of **1 mark**. No marks awarded for unattempted questions.

**REASONING ABILITY**

1. Arrange the given words in the sequence in which they occur in the dictionary.

1. Shroud	2. Shudder	3. Shuffle
4. Shuttle	5. Shrub	
(A) 1,2,3,4,5		(B) 3,2,5,4,1
(C) 1,5,2,3,4		(D) 1,5,3,2,4

2. Choose the odd-one out :

(A) Chess	(B) Ludo
(C) Cricket	(D) Carrom

3. If GIVE is coded as 7915 and BAT is coded as 210, how is GATE coded?

(A) 5427	(B) 7105
(C) 5247	(D) 5724

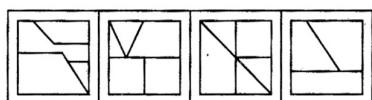
4. K is 40m South-West of L. If M is 40 m South-East of L, then M is in which direction of K?

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

5. In the following questions, choose the alternative figure in which the question figure (X) is embedded.



(X)



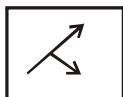
(A) (B) (C) (D)

6. Select the correct set of symbols which will fit in the given equation?

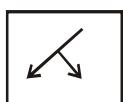
$$5 \_ 0 \_ 3 \_ 5 = 20$$

(A)  $\times, \times, \times$  (B)  $-, +, \times$  (C)  $\times, +, \times$  (D)  $+, -, \times$

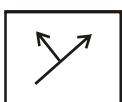
7. Select mirror image



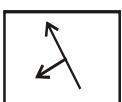
(X)



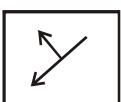
(A)



(B)

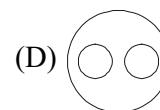
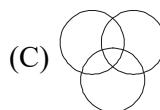
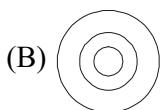


(C)



(D)

8. Choose the venn diagram which best illustrates the three given classes: Numbers, Whole numbers, Natural numbers



9. Find the missing number :

53, 53, 40, 40, 27, 27, ?

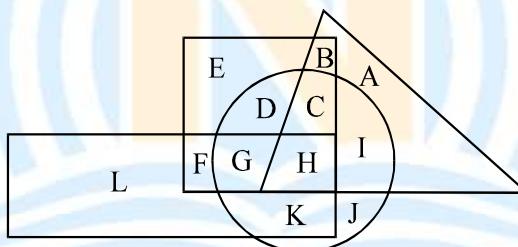
(A) 12

(B) 14

(C) 27

(D) 53

10. In the following diagram, the square represents girls, the circle tall persons, the triangle is for tennis players and the rectangle stands for the swimmers



On the basis of above diagram, which letter represents tall girls who are swimmers but don't play tennis ?

(A) C

(B) D

(C) G

(D) H

11. Choose the alternative which is closely resembles the water-image of the given combination.

ab45CD67

(A) aப45CD67

(B) அப45CD67

(C) அப45CD67

(D) அப45CD67

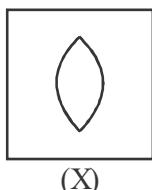
12. If the first five words in the sentence, "Meeta's mother meets me many times" are rearranged in the alphabetical order, which will be the middle word ?

(A) Meeta

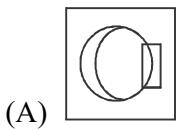
(B) Mother

(C) Meets

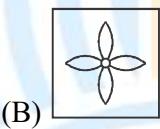
(D) Me



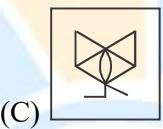
(X)



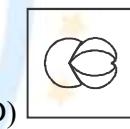
(A)



(B) 



(C)



(D) 

17. Solve the given equation to find the answer  
 $(370 \div 70) + 309 - 847 + 86 = ?$

(A) 446.72      (B) 464.7      (C) 456      (D) -446.71

18. Find the mirror image of figure (X)



(X)



(C)



(D) 

19. How many 3's are there in the following series, which are not preceded by an odd number but followed by 4?

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

(A) None (B) Two (C) One (D) Four

20. Find the missing term.

2, 10, 40, 120, ?

(A) 240 (B) 360 (C) 470 (D) 210

21. Select the combination of numbers so that letters arranged accordingly will form a meaningful word.

T A E W R

1 2 3 4 5

(A) 5 2 1 3 4 (B) 3 1 5 2 4  
(C) 4 2 1 3 5 (D) 2 4 1 3 5

22. Choose odd one out

(A) 15 (B) 3  
(C) 7 (D) 2

23. If 'TERMINATE' is coded as 27 and 'ELIMINATE' is coded as 27, then what will be code for 'EXHAUST' ?

(A) 23 (B) 7  
(C) 21 (D) 35

24. If I walks towards the Sun at the time of sunset, then I turns clockwise  $135^\circ$  and then I turn  $45^\circ$  anti-clockwise, which direction I am facing now ?

(A) North (B) South-east  
(C) North-east (D) East

25. If  $4 * 3 = 12$ ,  $5 \$ 7 = 12$ ,  $10 \# 2 = 5$ . Then find value of  $24 \# 2 * 5 \$ 10$  ?

(A) 44 (B) 63  
(C) 70 (D) 27

## PHYSICS

## CHEMISTRY

## BIOLOGY

46. Which of the following is not needed for photosynthesis:  
(A) Iodine solution (B) CO<sub>2</sub> (C) Chlorophyll (D) Water

47. Dental formula of a child is:  
(A)  $\frac{2102}{2102}$  (B)  $\frac{2120}{2120}$  (C)  $\frac{2123}{2123}$  (D)  $\frac{2111}{2111}$

48. In human beings, muscle cramps occur after heavy exercise, it is because  
(A) Breakdown of glucose aerobically produces lactic acid  
(B) Breakdown of glucose anaerobically produces lactic acid  
(C) Muscle cells respire in the presence of oxygen  
(D) Breakdown of glucose produces alcohol.

49. Most thick walled and largest chamber of heart is –  
(A) Right auricle (B) Right ventricle (C) Left auricle (D) Left ventricle

50. Which one is not a autotroph?  
(A) Plants (B) Blue Green Algae (C) Fungi (D) Algae

51. Which set is mixed with the food in small intestine?  
(A) Saliva, gastric juice, bile (B) Gastric juice, bile, pancreatic juice  
(C) Bile, pancreatic juice, intestinal juice (D) Bile, pancreatic juice & saliva

52. Organism used in the industrial preparation of ethanol is:  
(A) Lactobacillus (B) Azotobacter  
(C) Penicillin (D) Saccharomyces (yeast)

53. The contraction phase of the heart is called as \_\_\_\_\_  
(A) Systole (B) Diastole (C) Heart beat (D) Hypertension

54. The fluid matrix of blood is called  
(A) Lymph (B) Plasma (C) Corpuscles (D) Coelomic fluid

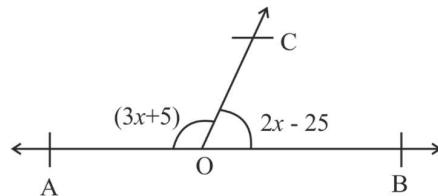
55. Which one is correct match?  
(A) Iron → Ricket (B) Vitamin A → Scurvy  
(C) Iodine → Goitre (D) Calcium → Anaemia

## MATHEMATICS

65. A number when multiplied by 4 is increased by 54. The number is

(A) 21 (B) 16 (C) 18 (D) 19

66. In the adjoining figure, the value of  $\angle AOC$  such that  $AOB$  is a line segment.



(A)  $40^\circ$  (B)  $55^\circ$  (C)  $125^\circ$  (D)  $180^\circ$

67. If the angles of a triangle are in the ratio 2: 3: 4 then the largest angle is

(A)  $40^\circ$  (B)  $60^\circ$  (C)  $80^\circ$  (D)  $115^\circ$

68. The length and breadth of rectangular part are in the ratio 4 : 3 and its perimeter is 56 m. The area of the field is

(A)  $192 \text{ m}^2$  (B)  $300 \text{ m}^2$  (C)  $432 \text{ m}^2$  (D)  $228 \text{ m}^2$

69. Multiply  $16x^2y^3$  by  $4x^4y^3z$

(A)  $64x^6y^6z$  (B)  $64x^8y^9z$  (C)  $64xy^2z$  (D)  $44x^4y^2z$

70.  $(-8) \div 0 = ?$

(A) -8 (B) 0 (C) Not defined (D) None of these

71. By what number should  $1\frac{3}{4}$  be divided to get  $2\frac{1}{2}$ ?

(A)  $\frac{3}{7}$  (B)  $1\frac{2}{5}$  (C)  $\frac{7}{10}$  (D)  $1\frac{3}{7}$

72. If  $\frac{x-2}{3} = \frac{2x-1}{3} - 1$  then x

(A) 2 (B) 4 (C) 8 (D) 8

73. The complement of an angle of  $68^\circ$  is

(A)  $22^\circ$  (B)  $25^\circ$  (C)  $28^\circ$  (D)  $35^\circ$

74. Which of the following measurements can't forms a triangle?

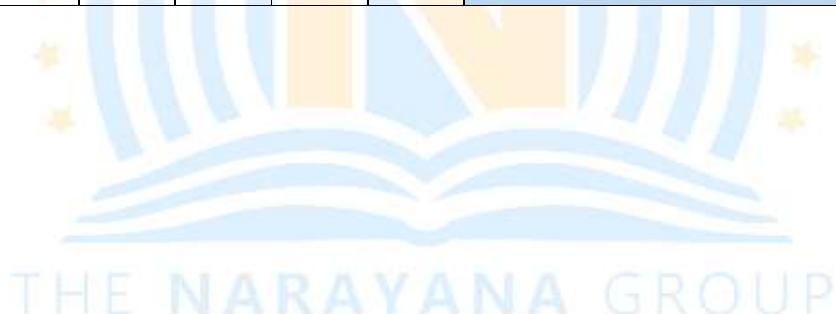
(A) 4, 5, 6 (B) 7, 8, 9 (C) 1, 2, 3 (D) 10, 11, 12

75. The base and Height of a triangle are 12 m and 8 m respectively. Its area is

(A)  $96 \text{ m}^2$  (B)  $48 \text{ m}^2$  (C)  $16\sqrt{3} \text{ m}^2$  (D)  $16\sqrt{2} \text{ m}^2$

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



# NARAYANA

## OPERATIONS ACROSS INDIA



**DELHI NCR Schools**

- South City-II
- Sector 37C
- M G Road
- Palam Vihar
- Manesar
- Sector 77, Faridabad
- Sector 87, Faridabad
- Raj Nagar Extn. Ghaziabad
- Greater Noida
- Rohitak
- Hisar
- Kanpur
- Meerut

**DELHI NCR Coaching Centers**

- Kalu Sarai\*
- Punjabi Bagh\*
- Dwarka (Sec-12)\*
- Janakpuri\*
- Mayur Vihar\*
- Gurgaon\*
- Faridabad\*
- Preet Vihar\*

**Other Locations**

- North:** Bhopal (STT Nagar), Bohal (Kolar Road), Indore, Ujjain, Gwalior, Amritsar-Alpha City, Amritsar-Blue Valley, Ludhiana - Jalandhar Bypass, Ludhiana - Dugri, Ludhiana\*, Ludhiana - Chandigarh Road, Chandigarh\*, Jaipur-Vaishali Nagar, Jaipur-Pratap Nagar, Jaipur-Jhotwara, Jaipur-Gopalpura\*, Jaipur-Hanuman Nagar\*, Bhilwara, Ajmer, Alwar, Jodhpur, Mohali, Bathinda, Jalandhar, Jammu & Kashmir, Jammu.
- Central:** Bhopal\*, Indore, South Tukoganj\*, Indore, Vijayanagar\*, Gwalior\*, Jabalpur\*, Indore, Ahmedabad\*, Adajan\*, Vesu\*, Surat\*, Andheri, Nagpur, Bhayandar, Borivali, Dombivli, Kalyan, Thane, Nalasopara, Ulhasnagar, Beed, Jalna, Aurangabad, Pune, Bannerghatta, Bellandur, Bellary, Madoor, Electronic City, HSR Layout, JP Nagar, Kadigudi Rd., Kaggadasapura, Kammahalli, Kasturi Nagar, Koramangala, KR Puram, Marathahalli, Nagarbhavi, Nandini Layout, RK Layout, RM Nagar, RT Nagar, Sahakar Nagar, Vidyaranyapura, Yelahanka New Town, Margondanahalli, Mallasandra, Whitefield\*, Mysuru\*, Thiruvananthapuram\*.
- South:** Anantapur, Chittoor, East Godavari, Guntur, Kadapa, Krishna, Kurnool, Nellore, Prakasam, SriKakulam, Vijayanagaram, Visakhapatnam, West Godavari, Ambattur, Arumbakkam, Chinniyam Nagar, ECR, Gopalapuram, Kolathur, Maduravoyal, Mogappair, M.R Nagar, OMR, Pallavaram, Pattalam, Porur, Poonamallee Outer Ring Road (Hostel), Ramapuram, Tambaram, Valsarakkam, Walltax Road, Coimbatore\*, Madurai\*, Salem\*, Anna Nagar\*, Medavakkam\*, Trichy\*, Ashok Nagar\*, Newtown, Andal, Andul, Asansol, Barasat, Burdwan, Durgapur, Fulbari, Haldia, Howrah, Kalyani Town, Maheshtala, Rishra, Siliguri, Sodepur (kal Exp), Sonarpur, Park Street\*, Park Circus, Ranchi\*, Dhanbad\*, Jamshedpur\*, Noida\*, Aligarh\*, Lucknow\*, Varanasi\*, Kanpur\*, Nalgonda, Suryapeta, Miryalaguda, Khammam, Kothagudem, Warangal, Mahabubabad, Karimnagar, Jagityala, Mancherial, Siddipet, Nizamabad, Nirmal, Vikarabad, Rangareddy, Hyderabad\*, Medchal.



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JEE (Main+Advanced)/NEET/FOUNDATION  
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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