

## Class-5 Science

### NACT Science Practice Set (100 Questions with Answers)

#### ◆ Section 1: Logical Reasoning (25 Questions)

1. Which shape has the most number of sides?  
A. Triangle B. Square C. Pentagon D. Hexagon

✓ Answer: D

2. What comes next in the series? 2, 4, 8, 16, \_\_\_\_  
A. 18 B. 24 C. 32 D. 20

✓ Answer: C

3. If CAT = 3120, then DOG = ?  
A. 4157 B. 4156 C. 4177 D. 4126

✓ Answer: A

4. Which figure is different?  
A. Circle B. Sphere C. Cube D. Rectangle

✓ Answer: C

5. If Monday is the 1st day of the month, what day will be on the 15th?  
A. Tuesday B. Wednesday C. Thursday D. Friday

✓ Answer: C

6. Eye is to see as Ear is to \_\_\_\_  
A. Hear B. Feel C. Smell D. Taste


✓ Answer: A

7. Which does not belong?  
A. Dog B. Cat C. Tiger D. Car

✓ Answer: D

8. How many 90° angles are there in a rectangle?  
A. 1 B. 2 C. 3 D. 4

✓ Answer: D

9. Which pattern completes   
?

A.  B.  C.  D. 

✓ Answer: B

10. If all circles are round and some balls are circles, then:

A. All balls are round  
B. Some balls are round  
C. All round things are balls  
D. No balls are round





✓ Answer: B

11. If a clock shows 3:15, what is the angle between the hour and minute hand?

A. 0° B. 30° C. 7.5° D. 45°

✓ Answer: C

12. Mirror image of L will look like?

A.  B.  C.  D. 

✓ Answer: C

13. Which comes next? 5, 10, 15, \_\_\_\_

A. 18 B. 20 C. 22 D. 25

✓ Answer: B

14. Find the odd one: Mango, Apple, Banana, Potato

✓ Answer: Potato

15. Which number comes between 29 and 31?

A. 28 B. 32 C. 30 D. 33

✓ Answer: C

16. Which shape has 3 sides?

A. Circle B. Square C. Triangle D. Rectangle

✓ Answer: C

17. Which is shortest? Giraffe, Elephant, Cat, Horse

✓ Answer: Cat

18. If MONDAY = 1, then WEDNESDAY = ?

A. 2 B. 3 C. 4 D. 5

✓ Answer: C

19. Find the odd one: 12, 18, 24, 36, 49

✓ Answer: 49

20. What comes after Tuesday?

A. Sunday B. Wednesday C. Thursday  
D. Friday

✓ Answer: B

21. Which object can be filled with air?

A. Stone B. Pencil C. Balloon D. Glass

✓ Answer: C

22. Which is lighter? Feather, Book, Bag,  
Shoe

✓ Answer: Feather

23. If 1 pencil = ₹3, 5 pencils = ?

A. ₹10 B. ₹12 C. ₹15 D. ₹20

✓ Answer: C

24. Which one is heavier: 1 kg cotton or 1 kg  
iron?

A. Cotton B. Iron C. Both equal D.  
Depends on volume

✓ Answer: C

25. Which does not belong: Sparrow, Crow,  
Hen, Bat

✓ Answer: Bat

31. Earth rotates in:

✓ Answer: B. 24 hours

32. Which organ helps digestion?

✓ Answer: C. Stomach

33. What causes day and night?

✓ Answer: D. Earth's rotation

34. Energy used by solar panels?

✓ Answer: B. Light energy

35. Which is not a sense organ?

✓ Answer: C. Hair

36. Which has backbone?

✓ Answer: B. Snake

37. Source of Vitamin C?

✓ Answer: B. Orange

38. What protects from germs?

✓ Answer: C. Skin

39. Red Planet?

✓ Answer: B. Mars

40. Boiling point of water?

✓ Answer: C. 100°C

41. Young one of frog?

✓ Answer: Tadpole

42. Which is smallest planet?

✓ Answer: Mercury

43. Which is largest organ of body?

✓ Answer: Skin

44. Plant roots absorb?

✓ Answer: Water and minerals

45. Which star is closest to Earth?

✓ Answer: Sun

46. Which organ purifies blood?

✓ Answer: Kidney

47. What is stomata?

✓ Answer: Small pores on leaves

## ◆ Section 2: Science Concept (25 Questions)

26. Which gas do plants absorb during  
photosynthesis?

✓ Answer: B. Carbon dioxide

27. Which of these is solid water?

✓ Answer: B. Snow

28. Main function of heart?

✓ Answer: B. Pump blood

29. Which plant part makes food?

✓ Answer: C. Leaves

30. Which is non-living?

✓ Answer: C. Chair

48. Which vitamin is made by sunlight?

✓ Answer: Vitamin D

49. Human body has how many bones?

✓ Answer: 206

50. Which gas is essential for breathing?

✓ Answer: Oxygen

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◆ **Section 3: Everyday Science (25 Questions)**

51. Why cotton clothes in summer?

✓ Answer: B. They absorb sweat

52. Why not touch wires with wet hands?

✓ Answer: B. Shock us

53. Iron left in air?

✓ Answer: B. Rusts

54. Best conductor?

✓ Answer: D. Copper

55. Lightning before thunder because?

✓ Answer: C. Light travels faster

56. Which appliance converts electricity to light?

✓ Answer: B. Bulb

57. What changes shadow length?

✓ Answer: C. Light source position

58. Oil applied to machines?

✓ Answer: C. Reduce friction

59. After sneezing you should?

✓ Answer: C. Wash hands

60. Which biodegradable?

✓ Answer: C. Banana peel

61. Save water while brushing?

✓ Answer: A. Use a mug

62. Bulb not glowing because?

✓ Answer: B. Circuit is open

63. Which is eco-friendly?

✓ Answer: C. Reusing bags

64. Why helmets are used?

✓ Answer: Protect head

65. LPG gas used for?

✓ Answer: Cooking

66. What protects eyes?

✓ Answer: Eyelids

67. Which gives warning during fire?

✓ Answer: Smoke detector

68. Rainwater harvesting saves?

✓ Answer: Water

69. Food chain starts with?

✓ Answer: Plants

70. What causes soil erosion?

✓ Answer: Water & wind

71. Which disease spreads by mosquitoes?

✓ Answer: Malaria

72. Which is cleanest fuel?

✓ Answer: CNG

73. Why do we wear wool in winter?

✓ Answer: Keeps warm

74. Which planet has rings?

✓ Answer: Saturn

75. Which source of energy is renewable?

✓ Answer: Solar

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◆ **Section 4: Achievers (HOTS – 25 Questions)**

76. Why astronauts float in space?

✓ Answer: B. No gravity acts

77. Paper cup with water doesn't burn?

✓ Answer: A. Water keeps it cool

78. Reversible change?

✓ Answer: A. Melting ice

79. Rainbow after rain because?

✓ Answer: C. Reflection + Refraction

80. Why moon visible at night?

✓ Answer: B. Reflects sunlight

81. Living & non-living interaction?

✓ Answer: C. Fish swimming in pond

82. If no bees?

✓ Answer: C. Pollination stops

83. Seed in dark, moist place grows because?

✓ Answer: B. Moisture triggers growth

84. Magnet attracts?

✓ Answer: C. Iron

85. Mirror breaks → reflection?

✓ Answer: C. Multiplied

86. Why does ice float?

✓ Answer: It is less dense than water

87. Why salt is added to ice while making ice-cream?

✓ Answer: To lower freezing point

88. Which travels faster: sound in air or water?

✓ Answer: Water

89. Why black umbrellas in summer?

✓ Answer: Absorb heat

90. Why moon has no atmosphere?

✓ Answer: Weak gravity

91. Why planets don't fall into sun?

✓ Answer: Due to motion & gravity balance

92. Why do camels survive in desert?

✓ Answer: Store water in body

93. Which organelle is "powerhouse of cell"?

✓ Answer: Mitochondria

94. Why stars twinkle?

✓ Answer: Refraction in atmosphere

95. Why do we see our breath in winter?

✓ Answer: Water vapor condenses

96. Why we add salt in pickle?

✓ Answer: Prevents bacterial growth

97. Why desert animals hunt at night?

✓ Answer: To avoid heat

98. Why does metal spoon feel colder than plastic?

✓ Answer: Better conductor of heat

99. Why clouds appear white?

✓ Answer: Scattering of light

100. Why water in earthen pot is cool?

✓ Answer: Evaporation

