Class-6th science

NACT Science Practice Set (100 Questions with Answers)

1 Logical Reasoning (25 Questions)

1. Which of the following does not belong to the group?

A. Thermometer B. Weighing Scale C. Barometer D. Fan

Answer: D

2. What comes next in the series? 2, 4, 8, 16,

A. 20 B. 24 C. 32 D. 36

Answer: C

3. If CAT = 3120, BAT = 2120, then RAT = ?
A. 1820 B. 1821 C. 2820 D. 1822
Answer: A

4. Select the odd one out:

A. Mercury B. Mars C. Earth D. Venus

5. Arrange in order of size: Atom, Cell, Organ, Tissue

A. Atom < Cell < Tissue < Organ

B. Cell < Atom < Organ < Tissue

C. Cell < Atom < Tissue < Organ

D. Atom < Tissue < Cell < Organ

Answer: A

6. What number is missing? 7, 14, ___, 56, 112A. 18 B. 21 C. 28 D. 30Answer: C

7. Which shape has the least number of sides?

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

Answer: C

8. Mirror image of "STEM" is:
A. METS B. WGNU C. M31S D. ST3M
Answer: C

9. In a code, TREE is written as UQFF. What is LEAF?

A. MFBG B. MDFG C. MDFH D. MDCG **Answer: B**

10. A cube has how many faces?

A. 4 B. 6 C. 8 D. 12

Answer: B

11. A clock shows 3:15. What is the angle between the hour and minute hands?

A. 0° B. 7.5° C. 90° D. 360°

Answer: B

12. If you fold a paper square diagonally, what shape do you get?

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

Answer: C

13. Which number replaces the question mark? 5, 10, 20, 40, ?

A. 50 B. 60 C. 80 D. 100

Answer: C

14. Find the odd one: 81, 64, 49, 36, 40
A. 81 B. 64 C. 49 D. 40

Answer: D

15. If MONDAY = NPOEBZ, then FRIDAY = ?
A. GSJEBZ B. GRIDAY C. GSJDAY D.
GSIEBZ

Answer: A

16. If 3 + 5 = 28 and 4 + 6 = 40, then 5 + 7 = ?

A. 50 B. 60 C. 70 D. 80

Answer: B

17. Which is different?

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

Answer: D

18. What comes next: 11, 22, 44, 88, ?
A. 99 B. 176 C. 188 D. 200

Answer: B

19. The opposite of East is:

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

Answer: A

20. Which figure comes next? A B C D

Answer: A

21. If 2 is coded as 6, 3 as 12, 4 as 20, then 5 = ?

A. 25 B. 30 C. 40 D. 35

Answer: B

22. Which is heavier?

A. 1 kg iron B. 1 kg cotton C. Both same

D. None

Answer: C

23. If ALL = 25, then CALL = ?

A. 27 B. 28 C. 29 D. 30

Answer: C

24. If 8 > 5 and 5 > 2, then 8 is greater than:

A. 2 only B. 5 only C. Both 2 and 5 D.

None

Answer: C

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

Answer: D

Science Concept (25 Questions)

26. Which of the following is a conductor of electricity?

Answer: C. Copper

27. Which part of the plant prepares food?

Answer: C. Leaf

28. What is the unit of force?

Answer: B. Newton

29. Which gas do we exhale?

Answer: C. Carbon Dioxide

30. What is the boiling point of water?

Answer: C. 100°C

31. Which of these is a vertebrate?

Answer: B. Snake

32. What type of energy does a moving car

have?

Answer: B. Kinetic

33. What is chlorophyll?

Answer: A. Green pigment in plants

34. Which of the following helps in digestion?

Answer: C. Liver

35. Which part of the brain controls balance?

Answer: B. Cerebellum

36. Which is the fastest land animal?

Answer: B. Cheetah

37. What causes day and night?

Answer: D. Earth's rotation

38. Which of the following is not a simple

machine?

Answer: D. Engine

39. Blood is red because of:

Answer: B. Hemoglobin

40. What protects our heart?

Answer: A. Ribs

41. Which planet is known as the "Blue

Planet"?

Answer: Earth

42. The smallest bone in the human body is

found in the:

Answer: Ear (Stapes)

43. The process of water turning into vapor is

called:

Answer: Evaporation

44. Which is the largest organ in the human

body?

Answer: Skin

45. The energy from the sun is called:

Answer: Solar energy

46. Which part of the plant absorbs water?

Answer: Roots

47. Which vitamin is obtained from sunlight?

Answer: Vitamin D

48. What is the SI unit of mass?

Answer: Kilogram

49. Which organ purifies blood in the body? **Answer: Kidney**

50. Which gas is necessary for burning?

Answer: Oxygen

Everyday Science (25 Questions)

51. Why do we wear cotton in summer?

Answer: C. They absorb sweat

52. Why does metal feel colder than wood in winter?

Answer: C. It is a conductor

53. Boiling water kills: **Answer: B. Germs**

54. Why do we see lightning before thunder?

Answer: D. Light travels faster than sound

55. How does an umbrella help in rain?

Answer: C. It acts as a barrier

56. What should you do during an earthquake?

Answer: C. Hide under a table

57. If salt is added to water, the boiling point:

Answer: A. Increases

58. Which household item is acidic?

Answer: B. Lemon juice

59. Which of the following uses a magnet?

Answer: C. Refrigerator door

60. Plants release oxygen during: Answer: B. Photosynthesis

61. Rainwater harvesting is used to:

Answer: A. Store water

62. Which object is biodegradable?

Answer: C. Banana peel

63. What energy do solar panels use?

Answer: C. Sunlight

64. Which part of the day has the longest shadow?

Answer: Morning/Evening

65. Why are pressure cookers used for cooking?

Answer: They increase pressure to cook faster

66. Why do cold drinks taste fizzy?

Answer: Because of dissolved carbon dioxide

67. Which fuel is eco-friendly?

Answer: CNG

68. Why are traffic lights red, yellow, green?

Answer: Standard colors understood
globally

69. Which gas is filled in balloons?

Answer: Helium

70. Why do ice cubes float in water?

Answer: Ice is less dense than water

71. Why do your hands feel cold after applying perfume?

Answer: Evaporation causes cooling

72. Which everyday item works on air pressure?

Answer: Syringe

73. Why do we put salt on icy roads?

Answer: To lower freezing point of water

74. Which source of energy is renewable?

Answer: Wind

75. Why are ceilings of houses painted white in hot regions?

Answer: To reflect sunlight

Achievers Section (HOTS) (25 Questions)

76. A black object kept in sunlight will become hotter because:

Answer: B. It absorbs more heat

77. A farmer wants to grow crops in dry land.
Which method should he use?
Answer: B. Drip irrigation

78. How can we separate sand from saltwater?

Answer: D. Evaporation

79. A balloon bursts because:

Answer: B. Air inside expands

80. Which situation shows Newton's Third Law?

Answer: C. A rocket launch

81. When sugar is dissolved in water, it is a:

Answer: B. Physical change

82. How does pollution affect animals?

Answer: C. Destroys their homes

83. Why do astronauts wear space suits?

Answer: C. To survive in space

environment

84. What is a good way to save electricity at home?

Answer: C. Use LED bulbs

85. Which is a clean source of energy?

Answer: D. Wind energy

86. Why is stainless steel preferred in kitchens?

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Answer: It does not rust easily

87. Which process turns milk into curd?

Answer: Bacterial fermentation

88. Why are deserts very hot during day and

cold at night?

Answer: Sand loses heat quickly

89. Why are plastics harmful?

Answer: Non-biodegradable, pollute soil

& water

90. Which force makes raindrops fall on Earth?

Answer: Gravity

91. Why do mountain climbers carry oxygen

cylinders?

Answer: Air is thin at high altitude

92. Which is an irreversible change?

Answer: Burning of paper

93. Why do clothes dry faster on a windy day?

Answer: Faster evaporation

94. Why do we add fertilizers to soil?

Answer: To increase soil nutrients

95. Why do satellites not fall back to Earth?

Answer: Balance of gravity and motion

96. Which planet is called "Earth's twin"?

Answer: Venus

97. Why are LEDs better than bulbs?

Answer: Consume less power & last

longer

98. Which human activity increases greenhouse gases?

Answer: Burning fossil fuels

99. Which simple machine is used in scissors?

Answer: Lever

100. Why is water called a "universal

solvent"?

Answer: Because it dissolves many

substances