

Pre Nurture and Career Foundation Division

CLASS - VII

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	4	4	2	3	1	3	3	2	2	1
Que.	14	15	16	17	18	19	20	21	22	23
Ans.	1	4	4	2	3	2	1	4	3	1
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	3	3	1	2	2	2	1	4	2	1
Que.	31	32	33	34	35	36	37	38	39	40
Ans.	3	3	3	4	2	4	2	2	2	3
Que.	41	42	43	44	45	46	47	48	49	50
Ans.	3	3	3	1	1	3	3	4	4	2
Que.	51	52	53	54	55	56	57	58	59	60
Ans.	1	2	1	3	3	1	2	3	3	2
Que.	61	62	63	64	65	66	67	68	69	70
Ans.	1	4	3	3	4	1	3	2	1	4
Que.	71	72	73	74	75	76	77	78	79	80
Ans.	3	3	2	3	4	4	2	1	3	2
Que.	81	82	83	84	85	86	87	88	89	90
Ans.	2	4	4	1	1	1	4	2	1	2
Que.	91	92	93	94	95	96	97	98	99	100
Ans.	3	2	1	1	2	2	2	4	2	3
Que.	101	102	103	104	105	106	107	108	109	110
Ans.	4	4	1	3	3	1	3	4	4	3
Que.	111	112	113	114	115	116	117	118	119	120
Ans.	1	1	2	2	2	3	4	3	2	1

HINT - SHEET

34. 4

Hint: Lime water is Basic in nature which turns red litmus blue

39. 2

Hint: Rusting of iron is chemical change since new compound is formed here

44. 1

Hint: Vinegar is acidic in nature and acid turns blue litmus red.

46. 3

Hint: Ant releases formic acid which causes inflammation and hence it is neutralised by baking soda which is a mild base.

56. (1)

$$\Rightarrow \frac{-7}{21} = \frac{-1}{3} \text{ and } \frac{3}{9} = \frac{1}{3}$$

75. 4

76. (d) Pitcher plant Explanation: Pitcher plant derives nutrition by photosynthesis. But the soil in which it grows doesn't have nitrogen so it uses the pitcher for killing small insects and then digesting them to derive nitrogen from the animal.

77. (b) Chlorophyll, Explanation: Chlorophyll makes plants green. Chlorophyll is located in a plant's chloroplasts. Without chlorophyll, plants would be unable to initiate the process of photosynthesis.

78. (a) Stomach, Explanation: Stomach is the odd one. It is a digestive organ. All the others are

79. (c) Starch into simple sugar, Explanation: The salivary gland present in mouth secretes saliva. It contains the enzyme amylase (ptyalin) that breaks down Starch into simple sugars.

80. (b) Egestion, Explanation: The removing of faecal matter through the anus is called egestion.

81. (b) Move downwards, Explanation: During the exhalation, the ribs move downwards

82. (d) Yeast Explanation: Yeast can respire anaerobically.

83. (d) Aerobic respiration, Explanation: More energy is released in aerobic respiration.

84. (a) Diaphragm, Explanation: Muscular floor of the chest cavity is called diaphragm.

85. (a) ammonia, Aquatic animals excrete cell waste mostly in the form of ammonia.

86. (a) pulse rate, Explanation: The number of heart beats per minute is called pulse rate.

87. (d) capillaries, Explanation: The absorption of nutrients and exchange of respiratory gases between blood and tissues take place in capillaries.

88. (b) excretion, Explanation: The processes of removal of waste materials from the body is called excretion.

89. (a) it causes cooling, Explanation: Sweating causes cooling effect on human body.

90. (b) Yeast, Explanation: In yeast, asexual reproduction takes place through budding process.

91. (c) Flowers, Explanation: Flowers are the reproductive part of a plant. Stem, leaves and roots are the vegetative parts of the plants.

92. (b) Stem cutting, Explanation: Rose plant is grown by stem cutting.

93. (a) Bryophyllum, Explanation: In Bryophyllum, buds are present on the margins of leaves.

94. (a) All of these, Explanation: Soil formation is influenced by all (Climate, Vegetation and microorganism)

95. (b) B, Explanation: Horizon B of soil is rich in minerals.

96. (b) Clay, Explanation: Clay is the smallest size soil particle.

97. (b) sand cools down faster, Explanation: Nights in deserts are much cooler because sand cools down faster.
98. (d) all of these, Explanation: Elements of weather are temperature, humidity and rainfall.
99. (b) Shrubs, Explanation: Shrubs are plants, which generally constitute under storey layer in the forest
100. (c) creating flood conditions, Explanation: Forests are not responsible for flood. They are preventing from flood.

101. 4

Sol. Counting from the right end of the given alphabet-series, i.e. from Z, the eighteenth letter is I. Counting from I towards the right, the fifth letter is N.

Hence, the answer is (4).

102.

Sol. Removing all the vowels, i.e., A, E, I, O, U, we obtain the following letter-series:

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

Counting from the left in the above series, i.e. from B, the fifth letter is G. Counting from G towards right, the seventh letter is P.

Hence, the answer is (4).

103.

Sol. Leaving out A, C, E, G, , W, Y, we obtain the following letter-series:

B D F H J L N P R T V X Z

Counting from the right in the above letter-series, the fifth letter is R. Counting from R, the third letter to the right is X. Hence, the answer is (1).

104.

Sol. We obtain the following letter-series on reversing the order of the alphabets:

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

Counting from left, i.e. from Z in the above series, the sixteenth letter is K. Counting from K towards left, the twelfth letter is W. Hence, the answer is (3).

Q(105-109)

Sol. C is to the right of D.

D is third from south. So, B will be at the extreme end from north because it should have E as its neighbour. G is between E and F. So, the sequence is :

B →

E →

G →

F → East

D →

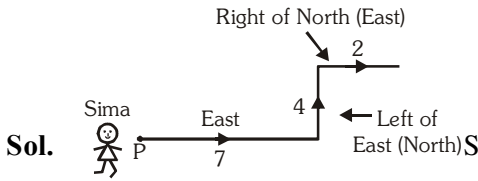
C →

A →

105. G is sitting to the right of E. Hence, the answer is (3).

106. A and B are sitting at the extreme ends. Hence, the answer is (1).

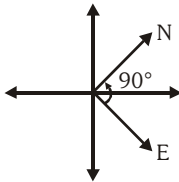
107. G should change place with C to make it third from north. Hence, the answer is (3).
 108. D is sitting between C and F. Hence, the answer is (4).
 109. All the statements are required to determine the correct sequence. Hence, the answer is (4).
 110.



Sima finally ends up in East direction. Hence, the answer is (3).

111. 1

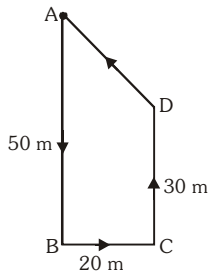
Sol. Turning 90° in anticlockwise direction from East means, he is facing North. Hence, the answer is (1).



112. 1

Sol. The movement of Radhika are as shown in given figure.

Thus, she is now moving in the direction DA i.e. North-West.



Hence, the answer is (1).

113. (2)

114. (2)

115. (2)

116. (3)

117. (4)

The given words can be arranged in the alphabetical order as :

Magical, Magnetic, Magnify, Maternal

Clearly, 'Magnetic' comes second. Hence, the answer is (4).

118. (3)

L25O (Opposite Letter). Hint (O \leftrightarrow L)

119. (2)

120. (1)