

Which of the above activities will lead to demonstrating the desired result ?

- (1) a and d (2) b and d (3) a and c (4) a and b

68. Which one of the following four teaching methodologies followed by four different Science teachers for teaching the topic 'Air Pollution' is most appropriate ?

(1) Showing a documentary film on 'Air Pollution' to the students (2) Asking the students to collect air samples before and after Diwali, study their quality and tabulate the findings (3) Asking the students to read the topic from the text-book loudly and explaining the meaning of concepts/terms (4) Dictating the answers to all the questions in the exercise after completing the topic

69. A teacher can identify a stressed child when the child shown the following behaviour :

(1) Full concentration in studies (2) Excessive talking (3) Hyperactivity (4) Aggressive behaviour

70. While performing experiments with water, Jyoti observed that an empty steel bowl floats but a small iron nail sink in water. This can be explained by the fact that

(1) force on a steel bowl is more than its weight whereas force on an iron nail is lesser than its weight (2) force on an iron nail is more than its weight whereas force on a steel bowl is lesser than its weight (3) iron is heavier than water and steel is lighter than water (4) iron is lighter than water and steel is heavier than water

71. Which one of the following pairs of life processes occurs both in plants and animals ?

(1) Reproduction and food making (2) Reproduction and germination (3) Growth and reproduction (4) Growth and food making

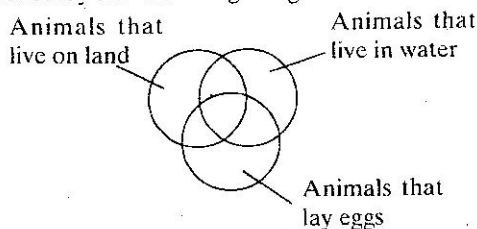
72. Anjali's friend suggested the following four ways to avoid tooth decay :

- Brush your teeth twice a day
- Wear braces to avoid enamel decay
- Avoid sweets, chocolates and carbonated drinks
- Rinse mouth after every meal

Which of the above ways should Anjali follow ?

- (1) c, d and a (2) d, a and b (3) a and c (4) b, c and d

73. Study the Venn diagram given below :



Which of the following animals can be placed at 'X' ?

- (1) Eel (2) Shark (3) Fish (4) Crocodile

74. An air-pump is kept in an aquarium in order to

(1) provide more carbon dioxide to water plants (2) allow more oxygen to dissolve in water (3) enhance the beauty of the aquarium (4) make water cleaner

75. A fish dies when it is put in an aquarium filled with previously boiled water but cooled to room temperature. This happens because the water in the aquarium is

(1) depleted in oxygen (2) unfit for drinking by fish (3) depleted in minerals (4) unfit for swimming by fish

76. Which one of the following best describes the features on the surface of the Moon ?

(1) No water, enough air, high mountain (2) No water, deep craters, high mountains (3) No air, no gravity, no water (4) No air, no gravity, smooth surface

77. Arti noticed the following precautions related to prevention of spread of a disease on a poster :

- Do not let water collect around you
- Keep water pots, coolers and tanks clean
- Spray oil if water has collected at some place
- Use nets to protect yourself

The poster is aimed at creating awareness about the spread of

(1) Small pox and Malaria (2) Dengue and Eye flu (3) Typhoid and Cholera (4) Dengue and Japanese Encephalitis

78. In which one of the following groups are the words intimately related ?

(1) Iron, Malaria, Anaemia, Blood (2) Iron, Haemoglobin, Anaemia, Amla (3) Mosquito, Dengue, Iron, Jaggery (4) Mosquito, Malaria, Anaemia, Iron

79. The major purpose of periodic parent-teacher interactions is to

(1) discuss the child's strengths and weaknesses for reinforcement and improvement (2) develop a social relationship with each other (3) highlight each other's shortcomings (4) share the information about ongoing events in the school

80. While teaching how different food items can be kept fresh for some time, Radha enumerated the following techniques to her class :

- Put it in a bowl and keep the bowl in an open container having cold water
- Wrap it in a damp cloth
- Spread it open in sunshine
- Cut it into small pieces and keep it in the dark

Which one of the following food items is she referring to, corresponding to technique 'b' above ?