

## Answer paper Part I

(01) 2 (02) 2 (03) 3 (04) 2 (05) 2 (06) 4 (07) 2 (08) 3 (09) 3 (10) 1

11. Sea anemone 12. CO<sub>2</sub> 13. Heterotrophic 14. O<sub>2</sub> 15. Sunflower 16. Microorganisms

17. Growth 18. Locomotion 19. Photosynthesis 20. Texture

## Part - II

01.A(1) A location with moist soil or suitable answer. (01 m.)

(2) Water / rotted water (01 m.) (3) Cotton / Filter paper (01 m.)

(4) Light microscope / Compound microscope / Microscope (01 m.)

(5) To suitable answer (02 m.) (6) To suitable answer (02 m.)

(7) a) Prism binocular (01 m.) b) Hand lens / Simple microscope (01 m.)

c) Thermometer (01 m.)

B (1) Calcium hydroxide solution / lime water (02 m.) (2) calcium hydroxide turns into off white (02 m.)

(3) Carbondioxide (02 m.)

02. (1) Auxanometer (01 m.) (2) Green gram, Bean (01 m.)

(3) Movement of the indicator (02 m.) (4) Growth of the plant (01 m.)

(5) Growth is unlimited of the plants and limited of the animals. (01 m.)

(6) Put a cotton piece to the shoot and thread it. (02 m.)

(7) a) Bud / Tree / stem, bends / growth towards the hole. (01 m.)

b) Movement / growth (01 m.) c) respiration / reproduction / nutrition. (01 m.)

03. A a) with wings b) with legs

c) without legs d) with a curved beak

e) without curved beak f) with scab

g) without scab h) deer

i) without antlers (1x9=9)

B (1) Dichotomous Key (01 m.) (2) External features (01 m.)

04. (1) Air (01 m.)

(2) a) Because the air stuck inside the bottle (02 m.)

b) Occupy space (01 m.) c) with a mass (01 m.)

(3) Opening the tap (4) Blowing balloon

(5) A - Yes B - Yes C - No D - No (04 m.)

05. (1) Colourless liquid bubbles can be seen on the surface. (02 m.)

(2) a) Anhydrous copper sulphate / Anhydrous Cobalt Chloride

b) For the suitable steps (03 m.) c) Anhy : Copper sulphate → white → blue  
Anhy : Cobalt chloride → blue → pink (01 m.)

(3) Condensation. (01 m.)

(4) 1. Get moist on the biscuits 2. Water bubbles created on the surface of the cool drinks bottle (02 m.)

(5) 1. Steaming of string hoppers etc.

2. Treatments for the defects of the respiratory system. (01 m.)

06.A(1) Y - Surface Water Z - Ground water (02 m.) (2) Rain, Snow, hail, sleet etc. (02 m.)

(3) Avoid soil erosion (01 m.)

B (1) Water volume (01 m.) (2) Marine water (01 m.)

(3) dissolving salts / minerals (01 m.)

(4) 1. Keep some marine water drops on a metal sheet.

2. Heat the metal sheet. 3. Observe the white powder (03 m.)