

සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education
සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education
සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education

සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව
மேல் மாகாணக் கல்வித் திணைக்களம்
Department of Education - Western Province

සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education
සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education
සමස්තයේ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව සමස්තයේ පළාත්
மேல் மாகாணக் கல்வித் திணைக்களம் மேல் மாகாண
Department of Education - Western Province Department of Education

වර්ෂ අවසාන ඇගයීම
ஆண்டிறுதி மதிப்பீடு - 2019
Year End Evaluation

ශ්‍රේණිය }
தரம் } 08
Grade }

විෂයය }
பாடம் } Science
Subject }

පත්‍රය }
வினாத்தாள் } I, II
Paper }

Answer

Part - I

(1)	4	(6)	3	(11)	1	(16)	1
(2)	1	(7)	4	(12)	1	(17)	1
(3)	3	(8)	2	(13)	2	(18)	4
(4)	2	(9)	4	(14)	3	(19)	3
(5)	4	(10)	4	(15)	2	(20)	2

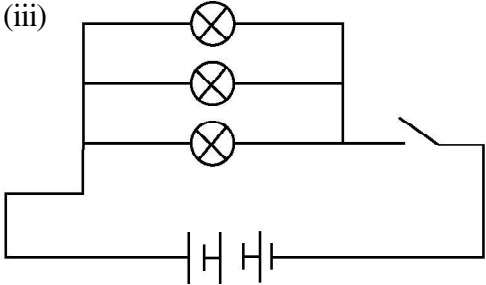
(20 x 2 = 40 marks)

Part - II

- (01) (A) (i) Drying (1 mark)
- (ii) Jam (1 mark)
- (iii) Sodium metabisulphite (1 mark)
- (iv) ● Ability to prevent food Spoilage
- Ability to select according to appetite
 - Ability to impart an attractive look for food
 - Ability to increase the nutritional value of some food types.
 - Utilize the surplus effectively
 - Ability to keep them for off season consumption
 - Minimize the damage caused by insects and other animals.
- (Give marks for correct relevant answers) (2 marks)
- (v) Natural changes in food occur because of the action of various chemical substance such as enzymes present in them. (1 mark)
- (vi) ● Date of manufacture and date of expiry
- Net weight/Total weight
 - Standard
 - Producer (Institution/ Country)
 - Environment friendliness/Consumer Friendliness of the packet/wrapper (2 marks)
- (vii) Meat balls, Sausages, Noodles, macaroni, coconut milk powder, cordial etc. (2 marks)
- (B) (i) Has a definite shape
- (ii) Has a fixed volume

- (iii) Has a fixed volume
 (iv) Cannot be compressed easily
 (v) No definite shape
 (vi) Can be compressed easily (1/2 x 6 = 3 marks)
- (C) (i) Thermal conductivity (1 mark)
 (ii) Aluminum (2 marks)
- (02) (A) (i) ✓ (ii) x (iii) ✓ (iv) ✓ (v) ✓ (1 x 5 = 5 marks)
- (B) (i) A - Light dependent resistor
 B - milliammeter (2 marks)
 (ii) When light falls on a LDR its resistance decreases. Therefore current flowing through the circuit increases. (2 marks)
 (iii) $P < Q < R$ (1 mark)
 (iv) Give marks for correct relevant answer. (1 mark)
- (03) (A) (i) Heating effect of electric current (1 mark)
 (ii) Michrome wire is heated more than the copper wire. (1 mark)
 (iii) Heating some electrical appliance such as computers
 Heavy duty semi conductors such as transistors produce heat and wasting electric current
 Wasting electric energy by heating electric bulb and electric lamps
 (Give marks for correct relevant answer) (2 marks)
 (iv) ● Resistance of the conductor should be high
 ● Very thin
 ● Use long wire (2 marks)
- (B) (i) Natural disasters
 (ii) / (iii) drought, landslide, floods
 Lightning and thundering, tsunamis, cyclones.
 (iv) temperature
 (v) EI – NINO (1 x 5 = 5 marks)
- (04) (A) (i) magnetic field
 (ii) ferrite
 (iii) soft iron
 (iv) electric bell
 (v) geomagnetism (1 x 5 = 5 marks)
- (B) (i) The level of the liquid in the funnel rises up (1 mark)
 (ii) Semipermeable membrane (1 mark)

- (iii) Osmosis (1 mark)
 - (iv) A - Epidermis
B - Cortex cells (2 marks)
 - (v) absorb water with minerals to the cells. (1 mark)
- (05) (A) (i) (2) - Larva
(3) - Pupa (2 marks)
- (ii) Complete metamorphosis (1 mark)
 - (iii) Senar caterpillar (1 mark)
 - (iv) Setting up insect / light traps
Growing insect repelant plants
Spreading of sprit of margosa seeds
(Give marks for correct relevant answer) (1 mark)
- (B) (i) Summer – northern hemisphere
Winter – Southern hemisphere (2 marks)
- (ii) The earth with a tilt to its orbital plane (1 mark)
 - (iii) Orion (1 mark)
 - (iv) The head of the hunter is directed towards the north. Therefore can be found the north at night. (1 mark)
 - (v) Star
 - 1. Twinkles in the sky
 - 2. Relative position of stars does not change daily or monthly
 - Planet
 - 1. Do not twinkle
 - 2. Change with respect to the stars (1 mark)
- (06) (A) (i) Parallel (1 mark)
- (ii) Series (1 mark)
 - (iii)



(2 marks)
 - (iv) Brightness of the bulbs are increases. (1 mark)
 - (v) Brightness of the bulbs in series method is lesser than parallel connected method. (1 mark)

- (B) (i) (a) Amphibia
 (b) Reptillia
 (c) Cnidaria
 (d) Mollusca (1/2 x 4 = 2 marks)
- (ii) Vertebrates – b and c
 Invertebrates – a and d (1/2 x 4= 2 marks)
 (Give marks for names of the animals)
- (iii) (a) Sea anemone (1 mark)
- (07) (A) (i) A sharp (high) sound is produced (1 mark)
 (ii) frequency (1 mark)
 (iii) length of the wire short = frequency is increases
 When use thin wire – frequency is increases (2 marks)
 (iv) frequency of sound produced, is lesser than limits of hearing/
 frequency of sound is lesser than 20Hz (1 mark)
 20Hz - 20,000 Hz (1 mark)
- (B) (i) Epidermis (1 mark)
 Pigment melanin (1 mark)
- (ii) (3) (1 mark)
 Sweat gland (1 mark)
- (iii) ● Eat nutritive diet
 ● Keep the skin clean
 ● Protect from sun
 ● Avoid smoking and smokers
 Give marks for correct relevant answer. (1 mark)