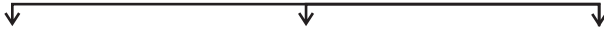
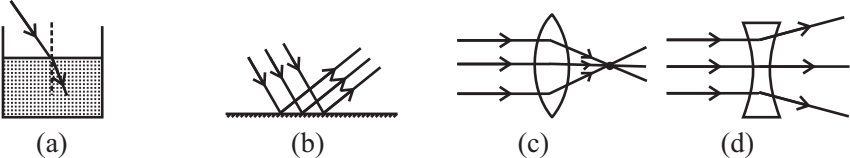


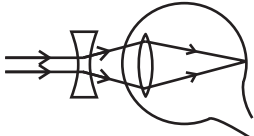
## ANSWER PAPER - PART I

01	3	02	3	03	1	04	2	05	4	06	4
07	1	08	2	09	2	10	1	11	3	12	4
13	1	14	4	15	2	16	3	17	2	18	1
19	3	20	4								

## PART - II

- 01 A (i) Colours, boards, glue, pens (01m.)  
 (ii) text book, other books, teacher, internet (02m.)  
 (iii) poor participation / less information (02m.)  
 (iv) As teachers wish for 02 answers. (02m.)
- B (i) 
- | <u>simple</u> | <u>aggregate</u> | <u>composite</u> |
|---------------|------------------|------------------|
| 1. Beans      | strawberry       | Pine apple       |
| 2. Coconut    | Mustard          | Jak              |
| 3. Apple      |                  | Bread fruit      |
| 4. Green gram |                  | (03m.)           |
- (ii) To reduce the competition and spread their specials. (02m.)  
 (iii) By animals - have fruits for food / have hooks, spines, hair to cling  
 By wind - light weighted / have appendages to float in air.  
 By water - Fibrous covering / having air cavities  
 By explosive method - light weight / have definite pattern to splits. (04m.)
- 02 A (i) Barrel Method / Pit method / Surface method / basket method (1 x 3 = 03m.)  
 (ii) bacteria and fungi (01m.)  
 (iii) Change of the Physical and chemical state of food converted to a state which cannot be consumed. (01m.)  
 (iv) Colour change / taste / smell (01m.)
- B (i) (a) Conical flask (b) beaker (c) test tube  
 (d) Thistle funnel (e) Watch glass (f) Flat bottom flask (03m.)  
 (ii) Clean properly after using them pack and store properly. (01m.)  
 (iii) (a) To heat substances to high temperature.  
 (b) To measure a definite volume. (01m.)
- 03 A (i) Naturally available energy resources. (01m.)  
 (ii) Crude oil, coal, Natural gases, Bio mass (01m.)  
 (iii) Energy resources produced by using primary energy resources. (01m.)  
 (iv) electricity / heat energy / super heated steam. (01m.)  
 (v) because of the uneven distribution of energy resources and the supply is not enough for the demand of energy. (01m.)  
 (vi) Bio gas / Solar power / Geo thermal energy (01m.)
- B (i) A - Dil  $H_2SO_4$  / B - Copper electrode / C - Zinc electrode (03m.)  
 (ii) Polarization / Local action (02m.)
- 04 A (i) 
- (a) (b) (c) (d) (04m.)
- (ii) (a) The incident ray, the reflected ray and the normal drawn at the point of incidence are on the same plane.  
 (b) When light is reflected, the angle of incidence and the angle of reflection are equal in magnitude. (02m.)

## ANSWER PAPER

- (iii) In Jewellery shops / Optic fibers / Kaleidoscope / Periscope (01m.)
- B (i) Short sightedness (01m.) (ii)  (02m.)
- concave lens (01m.)
- 05 A (i) (a) Southern cross (b) Orion (c) Leo (03m.)
- (ii) The apparent path of the sun is called ecliptic. (01m.)
- (iii) Aries / Taurus / Gemini / Cancer / Leo / Virgo / Libra / Scorpio / Sagittarius / Capricorn / Aquarius / Pisces (03m.)
- (iv) To find the directions. / To find the winter and summer climates. (01m.)
- B (i) Sun spots / Mountains and craters on the moon or any two. (02m.)
- (ii) Black dwarf star (01m.)
- 06 A (i) Eric Drexler (01m.)
- (ii) bottom to top approach (01m.)
- (iii) cell (01m.)
- (iv) carbon bucky ball / carbon nano horns / carbon nano tube (02m.)
- (v) dangerous weapons can be manufactured dangerous nano - scale poisonous chemicals can be made. (02m.)
- B (i) sea horse (ii) arrow frog (iii) Vampire bat
- (iv) Bufo Kotagamii (1 x 4 = 04m.)
- 07 (i) Mannar / Kurunegala / Hambanthota / North Central Province (01m.)
- (ii) The sound and the flight of certain birds, high in the sky. (Niyana Kobeiya / Wahilihini) Winged termites coming out of anthills. (02m.)
- (iii) clearing the forest cover / building constructions in rain catchment areas (02m.)
- (iv) earth quakes / land slides in the bottom of sea / volcanic eruptions (02m.)
- (v) If you can not over run the waves go to a tall building or high land. / Dont try to protect your property. Get away from sea show. / If you are traveling in a boat, go to the deep sea. (02m.)
- (vi) construct building as far away as possible from the sea. Pay attention to pre - tsunami warning. Construct high buildings in the coast line. (02m.)