

**Primary Education completion Examination-2013**

**Model Question**

**Subject: Elementary Science**

**Time: 2 hours 30 minutes**

**Full marks: 100**

**[N.B. - The figures in the right margin indicate full marks.]**

**1. Write the correct answer in your answer sheet: 1×40=40**

- (1) How many elements make a balanced diet?  
(a) Three                      (b) Four                      (c) Five                      (d) Six
- (2) What is information collected relating to a situation called?  
(a) Data      (b) Report      (c) Speech      (d) Information
- (3) Which one is the main cause of increasing carbon-dioxide?  
(a) Deforestation                      (b) Use of air energy  
(c) Use of compost fertilizer                      (d) Control of flood
- (4) Which one is responsible for water pollution?  
(a) Excess population                      (b) Cutting trees  
(c) Build unplanned houses                      (d) Burn bricks in brick fields
- (5) What should we do to protect the people of the coast from the global warming?  
(a) To burn gas in the mills and factories  
(b) To stop the production of electricity from the air  
(c) To plant more trees  
(d) To the use of solar energy.
- (6) During the process of photosynthesis the green plants-  
(a) Intake carbon dioxide                      (b) Intake oxygen  
(c) Produce nitrogen                      (d) Release carbon monoxide
- (7) The fertility of soil is decreased-  
(a) Due to the smoke of mills and factories  
(b) Use of excess chemical fertilizer  
(c) Burns bricks in brick fields  
(d) Through wastes here and there
- (8) We use the flow of air in-  
(a) The production of food                      (b) The production of electricity  
(c) To make engine                      (d) The production of water vapour
- (9) Which one is the internet browsing software?  
(a) Firefox      (b) Image                      (c) Google      (d) Yahoo
- (10) The ancient people thought-  
(a) The earth is motionless                      (b) The earth moves round the stars  
(c) The earth is not motionless                      (d) The stars are motionless

- (11) What is the daily temperature of air, pressure, humidity and flow of air of place called?  
(a) Climate (b) Weather (c) Omabossa (d) Solar-ecli
- (12) Why air and solar energy are called green energy?  
(a) Low cost (b) Pollute environment  
(c) Do not pollute environment (d) Available
- (13) How much the population of Bangladesh increased from the 1974 census to 2011 census?  
(a) Double (b) Triple (c) Fourth times (d) Fifth times
- (14) Which mosquito carries the germ of dengue fever?  
(a) Filaria (b) Malaria (c) Aedes (d) Anopheles
- (15) Which one of the following is an element of floating gardens?  
(a) Husks, aquatic weeds (b) Wastes of houses, grasses  
(c) Fibers of jute (d) Cow-dung, branches of trees
- (16) Which ages of the children are called childhood?  
(a) From six to ten years (b) From six to eight years  
(c) From ten to twelve years (d) From nine to twelve years
- (17) How many population was in Bangladesh in 2001?  
(a) 12 crore 14 lac (b) 12 crore 93 lac  
(c) 13 crore 14 lac (d) 13 crore 93 lac
- (18) When does the sunlight come vertically on Bangladesh?  
(a) In summer and autumn (b) In rainy season and late autumn  
(c) In winter and spring (d) In summer and rainy season
- (19) Which wave can be used to know the information of mineral under the soil?  
(a) Magnetic waves (b) Light waves (c) Sound waves (d) Airwaves
- (20) Drinking of which water causes scar in the hands and legs?  
(a) Dirty water (b) Arsenic contaminated water  
(c) Polluted water (d) Pond water
- (21) Which is used in the packet of chips?  
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Water vapour
- (22) Besides age, height and weight what else we need to get energy by food?  
(a) Studying (b) Sleeping (c) Physical labour (d) Work at office
- (23) In which state does water remain on high mountain peaks?  
(a) Water (b) Water vapour (c) Dew (d) Ice
- (24) Which one of the following is nonrenewable resources?  
(a) Air (b) Wood (c) Petroleum (d) water
- (25) Which of the following is correct?  
(a) Light is transmitted by the process of convection  
(b) Light is transmitted by the process of conduction  
(c) Light is transmitted by the process of radiation  
(d) We get heat from the sun by the process of conduction

- (26) For which one of the following do animals depend upon the plants?  
(a) Light (b) Water (c) Seed (d) Food
- (27) Which one of the following causes air pollution?  
(a) Use of pesticide (b) Burning bricks in the brick fields  
(c) Obstacle of rain water (d) Use of chemical fertilizer
- (28) Which one of the following happens during the adolescence changes?  
(a) Getting friendly with all (b) More keen to studies  
(c) Likes to go school everyday (d) Physical, mental and behavioral change
- (29) Which one of the following is correct?  
(a) Moon is a star (b) Moon is a satellite  
(c) Moon is a planet (d) Moon is a meteor
- (30) Which one of the following is correct?  
(a) There is no relation between science and technology  
(b) Science and technology are the same  
(c) Science and technology are related  
(d) Science is not needed for technology
- (31) Which portable instrument should be used to store information in a small space?  
(a) DVD (b) Pen drive (c) CD (d) Laptop
- (32) What does air temperature mean?  
(a) How much hot or cold (b) More vapours or less vapours  
(c) Whether air is dense or light (d) More sunlight or less sunlight
- (33) The basic need of an infant is —  
(a) Mother's milk (b) Dress (c) Medical care (d) Housing
- (34) Which one of the following the chlorophylls of green leaves help?  
(a) Food production (b) Reproduction (c) Respiration (d) Pollination
- (35) Which is the main reason of air, water and soil pollution?  
(a) Open latrine upon a water body (b) Wastes from industry  
(c) Use of vehicle (d) Meet the demand of population increase
- (36) Which one is the natural cause of water pollution?  
(a) Pollution by Arsenic (b) Pollution by insecticide  
(c) Pollution by industrial wastes (d) Pollution by germs
- (37) Which gas is taken in the cylinder to climb a high mountain?  
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Carbon monoxide
- (38) Which one of the following is junk food?  
(a) Potato mesh (b) Bread (c) Potato chips (d) Parata
- (39) Which one is renewable natural resource?  
(a) Petroleum (b) Water (c) Natural gas (d) Fossil fuel
- (40) Which does not belong to the solar system?  
(a) Earth (b) Comet (c) galaxy (d) Moon

**2. Fill in the gaps with appropriate word or words and write down it in your answer -sheet: 1×10=10**

- (a) \_\_\_ is needed for the survival of all plants and animals.
- (b) Water is \_\_\_ for life.
- (c) We are surrounded by \_\_\_.
- (d) The energy that works behind lightning is \_\_\_ energy.
- (e) \_\_\_ of food provided energy for body.
- (f) All sources of water is not \_\_\_.
- (g) There are countless \_\_\_ in the milkyway
- (h) Man is different from other animals, because man uses \_\_\_.
- (i) \_\_\_ reduces man's physical labour.
- (j) The increase of earth's \_\_\_ is known as global warming.

**3. Write down the short answer of the following questions in your answer sheet: 1×10=10**

- (a) Write two ways by which the awareness for stopping environmental pollution in your locality can be raised within your friends.
- (b) Why does water wet the outside of a glass when ice is kept in it?
- (c) How can air pollution in the kitchen be decreased?
- (d) Why does matter change states?
- (e) What is the function of major food items?
- (f) What is a star?
- (g) Give examples of three old technology.
- (h) What is the most modern technology?
- (i) Write the names of three natural calamities of Bangladesh.
- (j) What is natural resource?

**4. Write answer of any eight questions including a, b and c : 5×8=40**

- (a) Write down the names of artificial colour and chemicals which use in food and explain the danger of these colour and chemicals.
- (b) Explain the uses of carbon dioxide.
- (c) How is water pollution prevented?
- (d) What are the differences between food chain and food web?
- (e) Write in brief the measures you can take to prevent noise pollution,
- (f) How will you prove that there are always some water vapours in air?
- (g) Discuss how air is polluted.
- (h) What are the process of transmission of heat?
- (i) Discuss the scientific method of food preservation.
- (j) What is infectious disease? Discuss how infectious diseases can be prevented?