

**Primary Education Completion Examination-2014**

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

- (1) Water changes into what due to sunlight?  
(a) Ice            (b) Rains            (c) Steam            (d) Food
- (2) What is responsible for water pollution?  
(a) Building open latrine on water body    (b) Wastes from industries  
(c) Use of vehicle            (d) Destroying forest
- (3) Which one is most essential for the survival of plants and animals?  
(a) Heat            (b) Pressure            (c) Water            (d) Light
- (4) By using air we can -  
(a) Drive the car    (b) Drive engine    (c) Make food    (d) Operate computer
- (5) Why chips is a junk food?  
(a) There are harmful chemicals    (b) There is formalin  
(c) There is carbide            (d) There is saccharine
- (6) Which one of the following can be preserved in refrigerator or freezer?  
(a) Vegetables    (b) Butter            (c) Cheese            (d) Ghee
- (7) Which one is essential energy in this modern age?  
(a) Computer    (b) Heat    (c) Electricity            (d) Sun
- (8) Which is the nearest planet to the sun?  
(a) Earth            (b) Venus            (c) Mercury            (d) Mars
- (9) What happens when salt water of sea enters into the coastal area?  
(a) Increase the fertility of soil    (b) Increase the salinity of soil  
(c) Increase the productivity of soil    (d) All of the above
- (10) What will happen if we play the mike in high volume?  
(a) Soil pollution            (b) Air pollution  
(c) Sound pollution            (d) Water pollution
- (11) Which one of the following is correct food chain?  
(a) Grass→ Grasshopper→ Frog  
(b) Grass→Grasshopper→Deer →Tiger  
(c) Snakes→ Mongoose→Eagle  
(d) Grasshopper→Rat→Goat
- (12) What should we do after getting the alarm of cyclone?  
(a) Should take shelter under the bed  
(b) Should come out from the house and stand on the yard  
(c) Lay down on the ground

- (d) To take housing in the cyclone centre
- (13) During the photosynthesis the green plants –  
(a) Intake carbon dioxide (b) Intake oxygen  
(c) Produce nitrogen (d) release carbon dioxide
- (14) Which condition does water remain in the atmosphere?  
(a) Water vapour (b) liquid (c) Solid (d) Gaseous
- (15) Why the sea water creates clouds in the sky by evaporation?  
(a) For light energy (b) For heat energy  
(c) For sound energy (d) For mechanical energy
- (16) Which situation will be created if the moon rotates and comes between The earth and the sun?  
(a) Lunar month (b) High tide – low tide  
(c) Night (d) Omabashya
- (17) What can increase the fertility of the soil?  
(a) Plastic (b) Cow dung  
(c) Excess fertilizer (d) Insecticide
- (18) From soil plants absorb water and –  
(a) Protein (b) Mineral salt (c) Vitamin (d) Nutrient
- (19) Which one is artificial resource?  
(a) Plants (b) Iron (c) Glass (d) sand
- (20) Which one is water born disease?  
(a) Dengue (b) Tuberculosis (c) Pox (d) Cholera
- (21) Which one of the following the Chlorophylls of green leaves help?  
(a) Food production (b) Reproduction  
(c) Respiration (d) Pollination
- (22) 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
- (23) In which state does water remain on high mountain peaks?  
(a) Water (b) Water vapour (c) Dew (d) Ice
- (24) 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
- (25) Which one of the following is the symptom for swine flu?  
(a) Running nose (b) Increase of appetite  
(c) Sweating (d) Body itching
- (26) 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

- (27) Which one is necessary for the invention of a technology?  
(a) Financial ability (b) Physical ability  
(c) Knowledge of science (d) Family background
- (28) Information technology has reduced our—  
(a) Intellectual activity (b) Physical labour  
(c) Communication (d) Agricultural labour
- (29) What does happen when air pressure falls down excessively?  
(a) Storm (b) Rain (c) Heat wave (d) Cold wave
- (30) Which one of the following is green energy?  
(a) Natural gas (b) Wind (c) Petroleum (d) Coal
- (31) What is self-employment?  
(a) Government job (b) Generating income by own self  
(c) Working in the industries (d) Private job
- (32) Which one of the following is nonrenewable resource?  
(a) Air (b) Wood (c) Petroleum (d) Water
- (33) Which one is seen every year in Bangladesh?  
(a) Flood (b) Earth quake (c) Kalboishakhi (d) Hurricane
- (34) Technology is always—  
(a) Beneficial  
(b) Harmful  
(c) Depending on the application whether beneficial or harmful  
(d) Neither beneficial nor harmful
- (35) The reason for day and night is —  
(a) The earth moves round the sun  
(b) The sun rises and sets  
(c) The earth moves round on its axis  
(d) The moon moves round the earth
- (36) The use of artificial colour and chemical in food can cause—  
(a) Dental problem (b) Kids getting fat  
(c) Liver and kidney became dysfunctional (d) Kids lose weight
- (37) Which is a poisonous gas?  
(a) Oxygen (b) Carbon dioxide  
(c) Nitrogen (d) Carbon monoxide
- (38) Which is a poisonous gas?  
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Carbon monoxide
- (39) Which one of the following the Chlorophylls of green leaves help?  
(a) Food production (b) Reproduction  
(c) Respiration (d) Pollination
- (40) The basic need of an infant is —  
(a) Mother's milk (b) Dress (c) Medical care (d) Housing

**2. Fill in the gaps with appropriate word or words and write down it in**

**your answer sheet:**

**1×10=10**

- (a) Animals cannot produce it's own \_\_\_\_.
- (b) Water turns into \_\_\_\_ by the heat of the sun.
- (c) Poisonous \_\_\_\_ is produced in the kitchen.
- (d) Matter is made of \_\_\_\_.
- (e) The world's store of knowledge is \_\_\_\_ at a fast speed.
- (f) The cause of carbon dioxide increase is \_\_\_\_.
- (g) \_\_\_\_ food do not have dietary fibre.
- (h) The pox virus can be spread through \_\_\_\_.
- (i) There are countless \_\_\_\_ in the milky way.
- (j) The aim of technology is to control \_\_\_\_.

**3. Write down the answer of the following questions in short in your**

**answer sheet:**

**1×10=10**

- (a) What is chlorophyll?
- (b) What is the cause of arsenic pollution?
- (c) Write down the names of five kinds of energy.
- (d) What is balanced diet?
- (e) How dengue fever spread?
- (f) Why the sun and moon look equal?
- (g) Give examples of three modern technology.
- (h) What does humidity of air mean?
- (i) What would happen to the world if no greenhouse gases present in the air?
- (j) What type of conservation happens through solar panel?

**4. Write answer of any eight questions including a, b and c:**

**5×8=40**

- (a) Describe how animals and plants are dependent upon each other?
- (b) Explain why the temperature of earth is increasing day by day?
- (c) What should you do to prevent infectious disease?
- (d) What are the main causes of water pollution?
- (e) Why do season change?
- (f) Describe the technologies through which the food you have eaten has come.
- (g) What is the cause of the Kalboishakhi? Explain.
- (h) Make a list of natural resources and their uses.
- (i) Write down five ways of environmental conservation.
- (j) What is optimum food? Discuss the importance of taking optimum food.