## ST. PETER'S COLLEGE - COLOMBO 04

## SECOND TERM EVALUATION - 2021

Grade 07 SCIENCE

Time } 02 Hours

Name / Index No

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|      |   | Part I   |  |
|------|---|--|--|
| *    | Select and underline the most s   | uitable answer.  |  |
| (01) | i) stratosphere   | ric layer for the living beings on the earth is the, ii) Mesosphere                |  |
|      | iii) thermosphere   | iv) troposphere  |  |
| (02) | The reason for the temperature to increase in the thermosphere is, i) due to the presence of the ozone layer. ii) due to the absorption of sun's rays by the air particles. iii) due to the presence of water vapour and dust particles. iv) due to the presence of nitrogen in the atmosphere. |  |  |
| (03) | Some particulate pollutants found in the atmosphere can be,  i) Sulphur dioxide and asbestos particles.  ii) nitrogen dioxide and carbon dioxide.  iii) unburnt fuel droplets and cement dust.  iv) lead particles and carbon monoxide.   |  |  |
| (04) | A precaution that can be taker  i) Deforestation  | n to minimize the air pollution. ii) Burning of fossil fuel iv) Burning of garbage |  |
|      | iii) tune the vehicle engines   |  |  |
| (05) | The gas which has a low reacti i) Nitrogen iii) Water vapour  | vity under atmospheric conditions. ii) Oxygen iv) Carbon dioxide                   |  |
| (06) | The food that is in the mouth of trachea, because of the,  i) Uvula   | cavity passes to the oesophagus without going to the                               |  |
|      | iii) Epiglottis   | iv) Pharynx  |  |

Name the below given beams of light respectively, (07)(C) (A) ii) divergent, parallel, convergent i) Convergent, divergent, parallel. iv) divergent, convergent, parallel iii)convergent, parallel, divergent Simpler food ————Absorption Complex food (80)**Particles** Particles The process that is simplified on the above figure is, iv) secretion iii) excretion i) respiration ii) digestion The part of the alimentary canal that gets involved in absorption of water from the (09)undigested food. iv) Large intestine iii) Duodenum ii) Small intestine i) Oesophagus Seismometers are installed on different stations of the earth. Seismometer installed (10)in Sri Lanka can be found in, iv) Pallekelle iii) Kantale ii) Arankele i) Mathale Select the correct statement. (11)i) Sound travels fast in liquids than solids. ii) Sound needs a medium for propagation. iii) Sound propagate through vacuum. iv) Sound is faster than light. The standard international unit to measure energy, frequency of sound and the (12)amount of current respectively is, ii) Joule, Hertz and Ampere i) Hertz, Joule and Ampere. iv) Calories, Hertz and volts iii) Joule, Hertz and volts The energy transformation that is associated with generating electricity by a (13) dynamore is, i) Chemical energy -> electrical energy -> electrical energy ii) Kinetic energy

-> electrical energy

iii) Potential energy -> electrical energy

iv) Solar energy

| (14)                                  | The reason for the lower part of the core of the earth structure to remain hard is,  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|
|                                       | i) due to the high temperatures above 5000°C.  |  |  |  |  |
|                                       | ii) due to the high pressures.   |  |  |  |  |
|                                       | iii) due to low pressures.   |  |  |  |  |
|                                       | iv) due to the presence of silicon and aluminium in the core.  |  |  |  |  |
| (15)                                  | The name given to the phenomena of inversing right and left sides of an object when  |  |  |  |  |
|                                       | observed through a plane mirror is known as,   |  |  |  |  |
|                                       | i) Virtual image ii) Lateral inversion   |  |  |  |  |
| · · · · · · · · · · · · · · · · · · · | iii) Bilateral symmetry iv) Multiple images  |  |  |  |  |
|                                       | The number of images formed when two plane mirrors are kept at an angle of 30°.  |  |  |  |  |
| (16)                                  | iv) 6  |  |  |  |  |
|                                       | i) 5 ii) 7 iii) 11 iv) 6   |  |  |  |  |
|                                       |  |  |  |  |  |
| (17)                                  | An instance where convex mirrors are used.   |  |  |  |  |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | i) as a side mirror of vehicles. ii) to make solar cookers.  |  |  |  |  |
|                                       | iii) for telescopes iv) for dentist to examine teeth.  |  |  |  |  |
|                                       | or and the magnification of  |  |  |  |  |
| (18)                                  | When the magnification of the eye piece lens is X10 and the magnification of   |  |  |  |  |
|                                       | objective lenis X10, the total magnification of the microscope is,   |  |  |  |  |
|                                       | i) 1000 times ii) 10 times iii) 100 times iv) no magnification   |  |  |  |  |
| (10)                                  | The best way of discarding a chemical battery is,  |  |  |  |  |
| (19)                                  | i) burning ii) bury under ground   |  |  |  |  |
|                                       | to the second se |  |  |  |  |
|                                       | iii) recycle iv) throw it into a garbage neap.   |  |  |  |  |
| (20)                                  | The reason for not using aluminium containers to store pickles because,  |  |  |  |  |
| (20)                                  | i) Vinegar used in pickles are acids.  |  |  |  |  |
|                                       | ii) Aluminium is a metal.  |  |  |  |  |
|                                       | iii) Aluminium react well with acids in the vinegar.   |  |  |  |  |
|                                       | iv) Pickles tastes different when stored in aluminium containers.  |  |  |  |  |
|                                       | (20x2 = 40 marks)  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       | [전문하다] - 마시스 라시아 아노 속성(kg) (2000 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 -  |  |  |  |  |

| ii.   | The below given diagram is a model to demonstrate the human respiratory system. |      |  |  |
|-------|---|------|--|--|
|       | Write the parts of the diagram that resembles the human respiratory system.     |      |  |  |
|       | Y tube Rubber balloons  |      |  |  |
|       | Rubber membrane   |      |  |  |
| !     |   | (3)  |  |  |
| lii.  | What is the type of tissues that transport water throughout the plant?          |      |  |  |
| 111.  | What is the type of though that a thope is                                      | (1)  |  |  |
|       |   |      |  |  |
| iv.   | Write the various levels of organisation of a multicellular organism.           | (2)  |  |  |
|       |   |      |  |  |
| 04)   |   |      |  |  |
| i.    | State the name given to the organisms that cannot be seen to the naked eye.     | (1)  |  |  |
| ii.   | What type of a lens is used in making a simple microscope?                      | (1)  |  |  |
| iii.  | State what you understand by the term resolution of a microscope.               | (1)  |  |  |
| iv.   | What type of a microscope is used in genetic research by the scientists?        |      |  |  |
|       |   | (1)  |  |  |
| ٧.    | State what is a cell?   | (1)  |  |  |
| vi.   | Mention the function of the diaphragm of a microscope.                          | (1)  |  |  |
| vii.  | There are 3 objective lenses identified in the light microscope. What are they? |      |  |  |
| : :   |   | (1)  |  |  |
| viii. | How do you notify the magnification when drawing a linear diagram after obse    | rvin |  |  |
|       | a specimen through a compound microscope?                                       |      |  |  |
|       |   | (1)  |  |  |