



# 6<sup>th</sup> International Olympiad of Science 2014



Presented by :

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## CLASS 4<sup>th</sup> SYLLABUS & SAMPLE QUESTIONS

Microorganisms, The Plant Kingdom, The Animal Kingdom, Functioning of Human Body, Soil, Rock and Minerals, Measurement, Force and Motion, Work, Power and Energy, Matter, Our Environment, Our Universe, General and Applied Science.

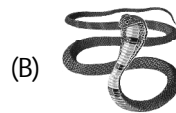
*The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes.*

1. Identify the figure given below and name the system to which it belongs.



- (A) Digestive system  
(B) Excretory system  
(C) Respiratory system  
(D) Circulatory system  
(E) None of these
2. Sometimes in the sky we see a string of light for a very few moment. Actually these are meteors which burn on entering into the atmosphere of the earth. Which one of the following gives the required heat energy to the meteors to be burnt?
- (A) Friction  
(B) Gravitation  
(C) Upthrust  
(D) All of these  
(E) None of these

3. Which one of the following is an arboreal animal?



(E) None of these

4. Jasmine took some soil in a covered container. She heated it slowly, after some time she observed some droplets of water under the cover of the container. What does this show?
- (A) Soil has humus (B) Soil has sand  
(C) Soil has gravel (D) Soil has moisture  
(E) None of these

5. **All the stars that we see in the sky are not equally bright. Choose the correct reason for this.**  
 (A) Distance of the star from us  
 (B) Part of the time when we are seeing  
 (C) Amount of light that the star emits  
 (D) Both A and C  
 (E) None of these
6. **You are holding a stone in your hand. What kind of energy does the stone have?**  
 (A) Potential energy  
 (B) Kinetic energy  
 (C) Simple energy  
 (D) All of these  
 (E) None of these
7. **Microorganisms are our friend and foe. Some of them are useful for us whereas some are harmful. From the given list sort out useful and harmful actions of bacteria.**  
 Creating food, spoiling food, decomposition, role in carbon and nitrogen cycle, sickness  
 (A) Useful: Creating food, decomposition. Harmful: Spoiling food, role in carbon and nitrogen cycle, sickness  
 (B) Useful: Creating food, decomposition, role in carbon and nitrogen cycle. Harmful: Spoiling food, sickness  
 (C) Useful: Creating food, role in carbon and nitrogen cycle. Harmful: Spoiling food, sickness, decomposition.
- (D) Useful: Creating food, role in carbon and nitrogen cycle, Spoiling food. Harmful: Sickness, decomposition.  
 (E) None of these
8. **Albert does the following experiment : He takes a glass of water and pour a teaspoon of salt into it. After some time he notices that the salt has disappeared. Which one of the following terms is correct for disappearing of salt into water?**  
 (A) Condensation of salt  
 (B) Evaporation of salt  
 (C) Vaporization of salt  
 (D) Dissolution of salt  
 (E) None of these
9. **The two objects of same mass are moving with different speed. The object which has greater speed has possessed \_\_\_\_ amount of kinetic energy.**  
 (A) Smaller (B) Greater  
 (C) Same (D) All of these  
 (E) None of these
10. **The dangerous ultraviolet rays from the sun are stopped in the upper part of the atmosphere. Which layer of the atmosphere provides a shield for us from ultraviolet rays?**  
 (A) Troposphere (B) Hydrosphere  
 (C) Ozone layer (D) Exosphere  
 (E) None of these



## ANSWERS

1. (B) 2. (A) 3. (C) 4. (D) 5. (D) 6. (A) 7. (B) 8. (D) 9. (B) 10. (C)