

AFSS CENTRAL EVALUATION SYSTEM

Central Assessment Team (CAT), HO Islamabad

Final Term/ Annual Examination 2015 – 2016

SCIENCE - Class VII

100 marks 3 hours

INFORMATION FOR STUDENTS

Marks are given against each question or part of question.

Write your name, roll number and date in the spaces provided below.

Student Name: Roll No:

Center Name: Date:

Day:

Invigilator Name: Sign:

Marks Obtained: Remarks:

Examiner Name: Sign :

Date: Day:

OBJECTIVE

Q. No. 1: Fill in the blanks.

10

- i) A _____ is the distance between two compressions.
- ii) The _____ of a sound means how high or low the sound is.
- iii) Too much noise causes _____.
- iv) Once on the Earth, Surface, motten rock is called _____.
- v) Herbivores that feed on producers are called _____ or first consumers.
- vi) The place where an animal or plant lives is called a _____.
- vii) _____ is the breaking up of a single compound into two or more simpler product.
- viii) The number of protons in an atom is called _____.
- ix) Mass number _____ + number of neutrons.
- x) _____ are chemicals that supply energy.

Q. No. 2: Indicate whether the following statements are TRUE or FALSE. 10

- i) Slate is dull blue rock.
- ii) Chemicals which cause colours are called pigments.
- iii) There are three primary colours, red, blue and orange.
- iv) Luminous objects give out their own light.
- v) Poor conductors of heat are called insulators.
- vi) Elements are made up to two kind of atom only.
- vii) In every chemical reaction millions and millions of atoms are involved.

- viii) The three main types of microbes are bacteria, viruses and microscopic fungi.
- ix) Material that can not be decomposed are called biodegradable.
- x) Light travels two millions times faster than sound.

Q. No. 3: Choose the best answer.

5

- i) Rays of light pass through transparent material such as:
- a) Glass & acetate sheet (b) Wood & metal
- (c) Paper & frosted
- ii) Which is anaerobic exercise?
- a) walking (b) running fast (c) swimming
- iii) Sounds are made when something _____.
- a) Moves (b) Shakes (c) Vibrates
- iv) Which lense can be used as a magnifying glass?
- a) Convex (b) Concave (c) Both (d) None
- v) Which is a luminous object?
- a) Sun (b) Candle (c) Bulb

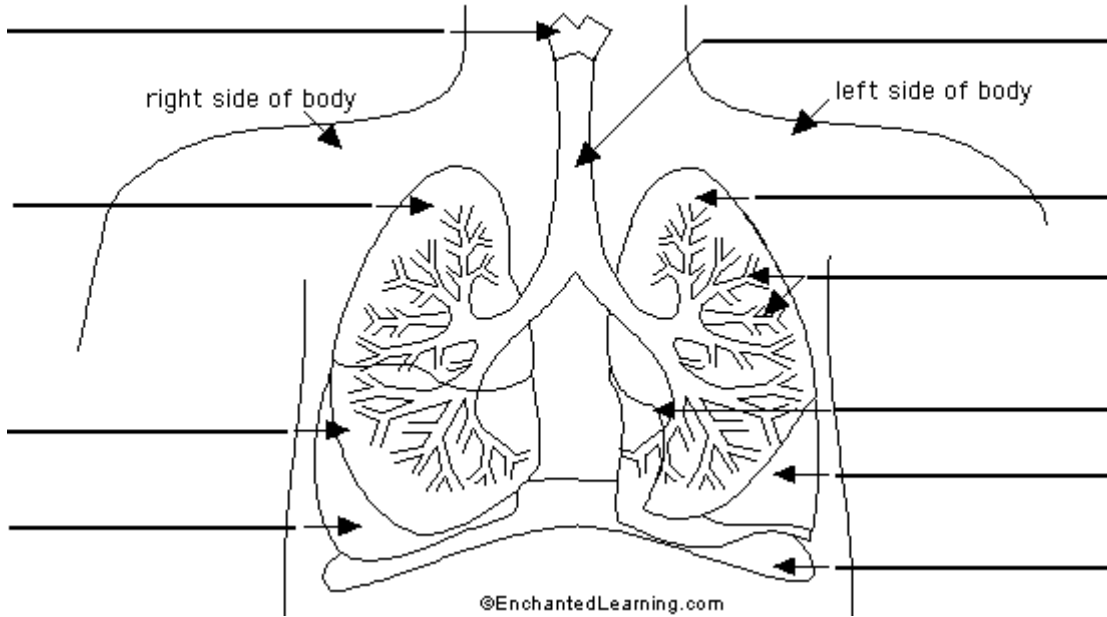
Q. No. 4: Match the words to their descriptions.

5

World	Description
Habitat	A collection of different plant & animal species living together in habitat.
Species	The place where an animal or plant lives.
Population	The species with the largest number of individuals in a community.
Community	A group of organisms of the same type that can breed & produce fertile off-spring.
Dominat Species	A breeding group of animals or plants.

Q. No. 5A: Label the structure of the lungs.

5



B) Draw and label the pie chart with the gases that make up air in the correct proportion.

5

SUBJECTIVE

Q. No: 6. Answer the following short questions. (any ten) 10 x 2 = 20

- i) What is meant by pitch?
- ii) What are sound waves?
- iii) Name three metamorphic rocks.
- iv) What is the difference between a primary & a secondary consumer?
- v) Name three types of weathering.
- vi) Name one example of each:
 - a) an igneous rock
 - b) a sedimentary rock
 - c) a metamorphic rock
- vii) What are the primary colours of light?
- viii) What are decomposers?
- ix) List the three main gases in air with the most plentiful first.
- x) Explain how a rainbow is formed?
- xi) Name four dangerous elements found in the human body.
- xii) Which materials make the best conductors of heat?

Attempt any three questions.

10 x 3 = 40

Q. No. 7: What is the difference between transparent, translucent and opaque objects?

B) Name two musical instruments

Q. No. 8: Write a note on types of mirco-organisms.

B) What is a spectrum? Which is refracted most by a prism, red light or blue light?

Q. No. 9: Write a note on types of rocks.

B) How do rock fragments get into rivers?

Q. No. 10: Explain the difference between aerobic and anaerobic respiration?

B) Write a word equation for anaerobic respiration in animals.

Q. No. 9: What is (i) Blood plasma (ii) A capillary
iii) tissue fluid?

