**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**1st Term Examination 2016 – 17**

**SCIENCE - Class VIII**

**50 marks 2 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:  Date: | Sign :  Day: |

***OBJECTIVE-20(marks)***

**Q No 1: Predict the products and balance the equations. 10**

i) CaCo3 + 2HCI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii) Acid + Base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iii) H+1 + OH-1  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iv) Metal carbonates + acid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

v) HCl(aq) + H2O(H) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q No 2: Choose the correct option. 10**

i) The two strands of DNA are held together by hands of:

a) Nitrogen b) Oxygen c) Hydrogen d) carbon

ii) Which is related to genetic engineering?

a) Plastid b) Plasmid c) heterosis d) Mutation

iii) Air is made up of \_\_\_\_\_\_\_\_\_\_\_\_\_

a) liquids b) solids c) gases

iv) What controls the functions of the body?

a) brain b) nerves c) mouth d) none of these

v) An adult brain weighs approximately.

a) 1 Ib b) 3 Ib c) 5 Ib d) 7 Ib

vi) What carries the information in our system?

a) Spinal cord b) Brain c) Lungs d) all of these

vii) Humans have \_\_\_\_\_\_\_\_\_\_\_ chromosomes in their somatic cells.

a) 47 b) 46 c) 23 d) 48

viii) The chromosomes are pulled apart by the spindle fibers during which stage:

1. anaphase b) interphase c) telophase d) prophase

ix) All human beings share about how much of their DNA?

a) 99% b) 95% c) 75% d) 50%

x) Which of the following is a part in the excretory system?

a) nose b) bladder c) heart d) all of these

***SUBJECTIVE-30(marks)***

**Q No 1: Answer any five of the following questions. 5 x 4 = 20**

i) What is cloning?

ii) Name some cloned animals.

iii) What is a chromosome?

iv) Write physical properties of Acids.

v) Write some uses of sodium hydroxide.

vi) How much does the average brain weigh?

vii) What is gene?

**Q No 2: Draw and Label human excretory system. 10**