

**INTERNATIONAL INDIAN SCHOOL, DAMMAM.**  
**SUMMATIVE ASSESSMENT – 1 – JUNE 2013-2014**

**SUBJECT : GENERAL SCIENCE**

**TIME 3 Hrs.**

**CLASS VII**

**Total Marks 90**

**SET – B**

**General instructions:**

- a. Read the questions carefully.
- b. All the answers to be written on the answer sheet provided.
- c. Total number of questions is 48.

**SECTION – A**

**I. Choose the correct answers from the following options.**

**1 x 15 = 15M**

- 1) The gas produced when baking soda is added to vinegar?  
a) Oxygen      b) Hydrogen      c) Sulphur dioxide      d) Carbon dioxide
- 2) Cuscuta is an example of a .....  
a) Parasite      b) Host      c) Autotroph      d) None of these
- 3) Bile juice is stored in .....  
a) Liver      b) Gall Bladder      c) Stomach      d) Pancreas
- 4) Litmus is extracted from .....  
a) Leeches      b) Lichens      c) Gudhal      d) Legumes
- 5) Which of the following does not cause acid rain.  
a) Carbon dioxide      b) Calcium oxide      c) Nitrogen dioxide      d) Sulphur dioxide
- 6) Peas have a symbiotic relationship with a/an  
a) fungus      b) algae      c) bacteria      d) virus
- 7) The finger like outgrowths in the small intestine that increases the surface area for absorption.  
a) Pancreas      b) Liver      c) Villi      e) None of these
- 8) China rose indicator turns acidic solution ..... colour.  
a) Red      b) Blue      c) Magenta      d) Green
- 9) The scientist who studied the functioning of stomach?  
a) William Beaumont      b) Charles Williams      c) Louis Pasteur      d) William Harvey
- 10) Which of the following are basic in nature.  
a) Curd      b) Vinegar      c) Tamarind      d) Soap
- 11) The limiting layer or thin outer boundary of a cell is called as the .....

a)nucleus    b)Cytoplasm    c)Cell membrane    d)none of these

12)Formation of clouds is a ..... change.

a)Chemical change    b)Physical change    c)Both a & b    d)None of these

13)The walls of the large intestine in human beings absorb

a)Cellulose    b)Digested food    c)Salt and water    d)Oxygen

14)The nutrients present in fertilizers and manures are

a)Nitrogen    b)Phosphorous    c)Potassium    d)All of these

15)A base used in the manufacture of soap is

a)Sodium hydroxide    b)Zinc hydroxide    c)Calcium hydroxide    d)Magnesium hydroxide

### SECTION – B

**II.Name the following.**

**1 x 2 = 2 M**

16)An organism that obtains nutrition from decaying organic matter

17)The largest gland in human body.

**III.Fill in the blanks**

**1 x 2 = 2 M**

18)..... is the alloy of iron,carbon,nickel,chromium.

19) ..... Feeds on animals covered by hard shells of Calcium Carbonate.

**IV.Rewrite the false statements correctly.**

**1 x 2 = 2M**

20)Digestion of food is a physical change.

21)Sodium Hydrogen Carbonate is the chemical name for washing soda.

**V. Match the following**

**1 x 4 = 4 M**

22) Exchange of gases    -    Basic in nature

23)Phenolphthalein    -    Vitamin C

24)Ascorbic acid    -    Indicator

25)Magnesium hydroxide    -    Stomata

### SECTION – C

VI. Answer the following in one or two sentences

2 x 10 = 20M

- 26) Ships suffers a lot of damage from rusting in spite of being painted. Why?
- 27) What is the adverse effect of excessive use of chemical fertilisers? How can we correct the adverse effect?
- 28) What happens when carbon dioxide is passed through freshly prepared lime water? Also write the equation for the change?
- 29) Calamine lotion is applied on the skin when ant bites. Why ?
- 30) Tooth pastes are made slightly basic. Why?
- 31) Human beings cannot digest cellulose, whereas ruminants can. why?
- 32) Define a) Galvanisation    b) Neutral Solution
- 33) What is a physical change?
- 34) Explain the process of nutrition in lichens?
- 35) Differentiate between autotrophic and heterotrophic nutrition.

### SECTION – D

VII. Answer in 3 or 4 sentences

3 x 10 = 30M

- 36) Children should not play with fire works? Why?
- 37) a) What are indicators?
  - b) Why litmus is called an acid-base indicator?
  - c) Name another natural indicator and mention its effect in acidic, basic and neutral solution?
- 38) What is digestive system in human beings? Name the different parts of alimentary canal?
- 39) What is tooth decay? How can it be prevented?
- 40) What is neutralisation? Represent it in an equation? Give an example in the form of an equation?
- 41) Define chemical change?. Write any three effects accompanying a chemical change?
- 42) Differentiate between acids and bases( three points each)?
- 43) Rearrange the following sentences in proper sequence to explain how plants make their own food?
  - a) Energy-rich glucose(sugar) molecules are formed.
  - b) The chlorophyll in the leaf absorbs light.
  - c) The leaf is exposed to light.
  - d) Oxygen is formed and released through the stomata.

e) Excess glucose is converted to starch.

f) Air enters the stomata and carbon dioxide is taken into the leaf cells.

44) Represent rusting of iron in the form of a word equation? What is rust? How can we prevent rusting?

45) What is diarrhoea? How is it caused? How can it be treated?

### SECTION – E

**VIII. Answer the following in detail**

**5 x 3 = 15M**

46) a) What is meant by nutrition? b) Explain nutrition in a plant that has both autotrophic and heterotrophic mode of nutrition?

47) a) Explain with neat labeled diagram the process of nutrition in unicellular organisms like amoeba? (explanation and diagram).

b) How does human body obtain fatty acids?

48) a) Define crystallisation?

b) Explain the reaction between copper sulphate solution and iron nail.

c) Write the word equation?

d) Is it a physical change or chemical change?

OR

48) a) Write a short note on the natural protective shield of atmosphere to living things?

b) How do copper sulphate crystals prepared?

**THE END**

A.