

**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION 2016 (ANNUAL)**

Date: 11.05.2016

9:30 a.m. to 9:50 a.m.

**BIOLOGY AND BACTERIOLOGY**  
**(Home Economics Group)**

Max. Marks: 10

Time: 20 minutes

The correct answers are highlighted in red colour.

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Code No:BB-13**

Write this Code No. in the Answerscript.

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each question carries ½ mark.
- ii) Do not copy the part questions in your answerscript. Write only the answer in full against the proper number of the question and its part.
- iii) The code of your question paper is to be written in bold letters in the beginning of the answerscript.

**1. Choose the correct answer for each from the given options:**

- i) This membrane acts as a semi-permeable membrane in bacteria:  
\* Cell wall \* **Cell membrane** \* Nuclear membrane\* none of these
- ii) Lipase digests:  
\* Carbohydrates \* **Fats** \* Proteins \* Mineral
- iii) Bacteria growing at pH 7 are known as:  
\* Acidophiles \* **Neutrophiles** \* Basophiles \* Osmophiles
- iv) Exchange of gases in respiration takes place in:  
\* Trachea \* Bronchus \* **Alveoli** \* Nose
- v) One example of capsulated bacteria is:  
\* V. cholerae \* **B. subtilis** \* Ps. flourescens \* Strep. lactis
- vi) Bacteria found in sea water are known as:  
\* Thermophiles \* Mesophiles \* Acidophiles \* **Halophiles**
- vii) Microorganisms were first observed by:  
\* Edward Jenner \* **Leeuwenhock** \* Louis Pasteur \* Roger Stainier
- viii) Bacterial granules store:  
\* **Food** \* Toxin \* Water \* Energy
- ix) The study of Bacteria is known as:  
\* Microbiology \* Protozoology \* **Bacteriology** \* Zoology
- x) Long, thin and wavy bacteria are called:  
\* Cocci \* Bacilli \* **Spirochaetes** \* Spores
- xi) Plasmolysis means:  
\* **Shrinkage of cells** \* Bursting of cells \* Growth of cells \* Imbibition of cells
- xii) This juice is found in the liver:  
\* Gastric juice \* Lipase \* Rennin \* **Bile juice**
- xiii) Shigella dysenteriae is:  
\* **Gram negative** \* Gram positive \* Capsule \* Spore
- xiv) Water pollution is determined by the presence of:  
\* V. cholerae \* B. subtilis \* **E. coli** \* none of these
- xv) Sewage means:  
\* Drinking water \* **Waste water** \* Filtered water \* Mineral water
- xvi) Lab. glassware is sterilized in:  
\* Autoclave \* Incubator \* **Hot Air Sterilizer**\* Refrigerator
- xvii) Human heart consists of:  
\* 2 chambers \* 3 chambers \* **4 chambers** \* 5 chambers
- xviii) Bacteria are measured in:  
\* Centimeter \* **Micrometer** \* Nanometer \* Kilometer
- xix) The largest artery of the human body is:  
\* Renal artery \* Pulmonary artery \* Esophagus \* **Aorta**
- xx) T.A.B. vaccine provides protection against:  
\* **Typhoid** \* Cholera \* Flu \* Cough

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