

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

Date: 11.05.2016

9:30 a.m. to 9:45 a.m.

BIOLOGY PAPER – II
BOTANY (THEORY)
(Science Pre-Medical Group)

Max. Marks: 08

Time: 15 minutes

The correct answers are highlighted in red colour.

SECTION ‘A’
(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)

Code No: BT-04

Write this Code No. in the Answerscript.

NOTE:

- i) This section consists of 16 part questions and all are to be answered. Each question carries $\frac{1}{2}$ mark.
- ii) Do not copy the part questions in your answerbook. 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) Chromosomal theory of heredity was proposed by:
* Watson * Griffith * **Walter Sutton** * Chase
- ii) It is a defect in humans in which blood fails to clot after an external or internal injury:
* Sickle cell anaemia * Phenylketonuria * **Haemophilia** * Colour blindness
- iii) The cotyledon in monocot seed is called:
* **Scutellum** * Integument * Coleorhiza * Coleoptile
- iv) In plants, the process of mitosis is:
* Amphi-astral * **An-astral** * Multi-astral * Di-astral
- v) In Turner's syndrome, the condition of chromosome is the example of:
* **Monosomic** * Nullisomic * Trisomic * Allosomic
- vi) The total aggregate of genes in a population at any time is called:
* **Gene pool** * Linkage * Crossing over * Genome
- vii) The correct sequence of sub-stages during interphase is:
* G_1G_2S * SG_1G_2 * **G_1SG_2** * G_2G_1S
- viii) This Biome is called 'the Bread Basket' of the world:
* Savannah * **Grassland** * Desert * Tundra
- ix) The net movement of water molecule remains in equilibrium, when a cell is placed in:
* Hypotonic solution * Hypertonic solution * **Isotonic solution** * none of these
- x) These are found in the soil of high salt concentration:
* Hydrophytes * Mesophytes * **Halophytes** * Xerophytes
- xi) Promotion of flowering by cold treatment is called:
* Apomixis * Photoperiodism * **Vernalization** * Phototropism
- xii) Increase in diameter of a plant due to activity of vascular and cork cambium is called:
* Primary growth * **Secondary growth**
* Abnormal growth * Tertiary growth
- xiii) This bacterium lives in the root nodules of leguminous plants:
* **Rhizobium** * Clostridium * Cyanobacterium * Azotobactor
- xiv) Sex determination in Drosophila was initially observed by:
* **T.H. Morgan** * Mendel * Watson * Darwin
- xv) Protein synthesis starts with this codon:
* UAG * UAA * UGA * **AUG**
- xvi) The tendency of genes in a chromosome to remain together is called:
* Epistasis * **Linkage** * Pleiotropy * Synapsis

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