BOARD OF INTERMEDIATE EDUCATION, KARACHI

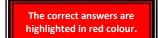
INTERMEDIATE EXAMINATION 2016 (ANNUAL)

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



Choose the correct answer for each from the given options:

Rhizobium

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

Code No:BT-01

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i) This section consists of 16 part questions and all are to be answered. Each question carries ½ mark.

Write this Code No. in the Answerscript.

Azotobactor

- ii) Do not copy the part questions in your answerbook. Write only the answer <u>in full</u> against the proper number of the question and its part.
- iii) The code of your question paper is to be written <u>in bold letters</u> in the beginning of the answerscript.

| i) | Sex det | ermination in Drosoph | ila was ir | nitially observed | l by: | | | | | |
|-------|---------------|---|-----------------------|-------------------------------------|---------------|------------------------------------|----------------------------------|-----------------|------------|------------------|
| , | * | T.H. Morgan | | * Mend | • | * | Watson | l | * | Darwin |
| ii) | Protein * | synthesis starts with the UAG * | nis codon UAA | : | UGA | | * | AUG | | |
| iii) | The ten | ndency of genes in a ch Epistasis | romosom * | ne to remain toge Linkage | ether is call | led: | Pleiotro | рру | * | Synapsis |
| iv) | Chromo | osomal theory of hered Watson * | ity was p Griffith | | Walter | r Sutton | | * | Chase | |
| v) | It is a d | efect in humans in whi Sickle cell anaemia | ch blood * | fails to clot afte Phenylketonur | | al or inter | nal injur <mark>Haem</mark> o | | * | Colour blindness |
| vi) | The cot | tyledon in monocot see Scutellum | d is calle | d: Integument | * | Coleorh | iza | * | Coleop | tile |
| vii) | In plant | ts, the process of mitos Amphi-astral | is is: | An-astral | * | Multi-as | stral | * | Di-astra | al |
| viii) | In Turn * | ner's syndrome, the con | dition of | chromosome is Nullisomic | the examp | le of: Trisomi | c | * | Allosor | mic |
| ix) | The tota | al aggregate of genes in Gene pool | n a popul * | ation at any time Linkage | e is called: | Crossing | g over | * | Genom | e |
| x) | The cor | rrect sequence of sub-s G_1G_2S | tages dur * | ing interphase is SG_1G_2 | * | G1SG2 | | * | G_2G_1S | |
| xi) | This Bi | ome is called 'the Brea Savannah | nd Basket * | of the world: Grassland | | * | Desert | | * | Tundra |
| xii) | The net | movement of water m Hypotonic solution | olecule r | emains in equili Hypertonic sol | | en a cell is | | n: c solutio | <u>n</u> * | none of these |
| xiii) | These a | are found in the soil of Hydrophytes | high salt * | concentration: Mesophytes | * | Haloph | ytes | * | Xeroph | ytes |
| xiv) | Promot | ion of flowering by col Apomixis | ld treatme | ent is called: Photoperiodisi | m | * | Vernal | ization | * | Phototropism |
| xv) | Increase * | e in diameter of a plant Primary growth Abnormal growth | due to a | ctivity of vascul * * | Second | k cambium dary grow y growth | | d: | | |
| xvi) | This ba | cterium lives in the roo | ot nodule: | s of leguminous | plants: | | | | | |

Clostridium

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Cyanobacterium