**[Model Paper](http://www.result.pk)**

**[Biology (10](http://www.result.pk)[th](http://www.result.pk)[)](http://www.result.pk)**

**[Total Time: 3 Hours Max: Marks: 65](http://www.result.pk)**

**[Note:](http://www.result.pk)** **[There are THREE Sections of this Paper i.e. A.B and C, attempt each according to the given instructions.](http://www.result.pk)**

**[Time: 20 Minutes](http://www.result.pk)****[SECTION-A](http://www.result.pk)** **[Marks: 12](http://www.result.pk)**

**[Note:](http://www.result.pk)** [Attempt all parts of Section – A. Section –A must be return to the superintendent after 20 minutes](http://www.result.pk)

[even if you have not attempted any question. Overwriting/ defacing/Cutting etc is prohibited in](http://www.result.pk)

[Section-A and no credit will be given to such answer.](http://www.result.pk)

**[I.                   Write the correct option i.e. A/B/C/D in the empty boxes.](http://www.result.pk)**

[i.           In human kidney the pyramid shape structure are seen in \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

[(A) Cortex (B) Medula (C) Pelvis (D) Hilus](http://www.result.pk)

[ii.         The scientific name of vocal box in man is\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

[(A) Pharynx (B) Larynx (C) Trachea (D) Bronchus](http://www.result.pk)

[iii.       Large number of stomata are present on the upper surface of \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Mesophytes (B) Xerophytes (C) halophytes (D) Hydrophytes](http://www.result.pk)

[iv. The functional unit of respiratory system is \_\_\_\_\_\_\_\_\_](http://www.result.pk)

 [(A) Bronchi (B) Alveoli (C) Trachea (D) Larynx](http://www.result.pk)

[v.         Cervical vertebrae are present in \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Chest region (B) Between the lower limb](http://www.result.pk)

 [(C) Neck (D) None of these](http://www.result.pk)

[vi.       Counting the number of seeds in fruits will give an indication of the number of](http://www.result.pk)

[\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Petals (B) Stamens (C) Pollen grains (D) Ovules](http://www.result.pk)

[vii.     The seeds absorb water during germination through \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Hilium (B) Micropyle (C) testa (D) Tegmen](http://www.result.pk)

[viii.   Nucleosome is the unit of \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Chromatin (B) Nucleus (C) Chromosomes (D) Autosomes](http://www.result.pk)

[ix.       Natural selection operates to produce changes in \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Individuals (B) Population (C) Rates (D) Phyla](http://www.result.pk)

[x.         The animals which get from plants are \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Consumers (B) Producer (C) Predator (D) Decomposer](http://www.result.pk)

[xi.       Alcohol is the fermented product of \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Yeast (B) Cheese (C) Milk (D) Vitamins](http://www.result.pk)

[xii.     Vaccines can be administered through \_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Injection (B) Mouth (C) Nose (D) Both A and B](http://www.result.pk)

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 **[Note:](http://www.result.pk)****[Time allowed for section B and C is 2 hours and 40 minutes.](http://www.result.pk)**

**[SECTION “B” Marks: 32](http://www.result.pk)**

[II.                Attempt any EIGHT Parts out of the following. Each Part carries equal marks.](http://www.result.pk)

[i. Differentiate b/w Respiration and Breathing](http://www.result.pk)

 [ii. State weather there is any similarity b/w gas exchange on surface of leaves and lungs.](http://www.result.pk)

 [` iii. Draw label diagram of human skin.](http://www.result.pk)

 [iv. What are the various parts of Nephron?](http://www.result.pk)

[v. What will happen if islets of langerhans secrete insulin but not glucagon?](http://www.result.pk)

[vi. Define joints what are their types.](http://www.result.pk)

 [vii. Why it said that seed is dormant embryo why plants produce seed.](http://www.result.pk)

[viii. What is the difference b/w incomplete dominance and co-dominance?](http://www.result.pk)

[ix. What is symbiosis describe its types.](http://www.result.pk)

 [x. What could be the draw backs of using single cell proteins?](http://www.result.pk)

[xi. How antibiotics and vaccines differ from each other.](http://www.result.pk)

 **[SECTION “C” Marks: 21](http://www.result.pk)**

 **[Note: Attempt any THREE questions of the following. Each question carries equal Marks.](http://www.result.pk)**

**[III.](http://www.result.pk)** [Describe the structure and function of human brain with diagram.](http://www.result.pk)

**[IV.](http://www.result.pk)** [(a) Define seed germination. Describe their types.](http://www.result.pk)

 [(b) What are the advantages of internal fertilization?](http://www.result.pk)

 **[V.](http://www.result.pk)** [Describe the Mendel’s law of independent assortment with checker board.](http://www.result.pk)

 **[VI.](http://www.result.pk)** [Write short note on the following.](http://www.result.pk)

[(a) Biotic components of ecosystem.](http://www.result.pk)

 [(b) Importance of conservation.](http://www.result.pk)