**Balochistan Board of Intermediate and Secondary Education, Quetta**

Model Paper for HSSC Examination 2017 and Onwards

Subject: Botany Total Marks = 43 Class XI

**PART – I** (9)

**NOTE: Attempt all the questions**

Q 1: Select the correct answer.

1. The plants having foreign DNA in their cells are called
   1. Specific plants b. Transgenic plants c. Induced plants d. Hydrophytic plants
2. Which disease is caused by paramyxoviruses
   1. Herpes Simplex b. Influenza c. Tatanus d. Measles and mumps
3. Conjugation is facilitated by
   1. Capsule b. Pili c. Flagella d. Both (b) and (c)
4. Histoplasmosis is
   1. Heart disease b. Kidney Disease c. Lung Disease d. None
5. In spermatophytes seed is formed from
   1. Ovary b. Ovule c. Anther d. Embryo sac
6. Chlorella is
   1. Multicellular b. Unicellular non-motile c. Unicellular motile

d. A cellular

1. Arabic gum is obtained from
2. Acacia Nilotica b. Acacia Senegal c. Both (a) and (b) d. None of these

(b). Fill in the blanks.

1. Pure \_\_\_\_\_\_\_\_\_\_has maximum water potential.
2. \_\_\_\_\_\_\_\_the main source of exchange of gases in plants.

Q 2: Give the answers of any seven of the following, each question carry three marks (21)

1. Integrated disease management.
2. Describe the structure of phage virus.
3. Write a note on Hepatitis C.
4. Briefly describe the bacterial cell wall.
5. Write a note on Diatoms.
6. Asexual reproduction by budding in fungi.
7. Asexual reproduction in Hepatica.
8. Double fertilization in Angiosperms.
9. Accessary pigments of chlorophyll.
10. Role of Rubisco in photorespiration.

Q 3: Give the answers of any two of the following questions (12)

1. Give an account of occurrence, structure and reproduction of chlorella.
2. Write a note on the gametophyte generation of angiosperms.
3. What do you know about Krebs cycle?
4. Describe different types of transpirations.