**Question bank / Dept. Field crop and medicinal plants / third stage**

**Q1 / Give the reason for:**

1 – Phosphorus is essential to seed germination and early root development.

2 – Temperature is the fundamental environmental parameter to control plant development.

3 – Depth of sowing is important for wheat.

4 – Heat stress at flowering stage is very risky.

5 – Excessive rainfall is not desirable for wheat growth.

6 – The chemical composition of seeds varies widely among species and even among varieties.

7 – Seed are hygroscopic.

8 – Many of the wheat and barley cultivars have the semidwarf gens.

9 – Depth of sowing is important for wheat and barley.

10 – Poaceae family has five subfamilies.

**Q2 / Fill the blank**

1 – All monocot plant fists emerge from the soil with on leaf called …………..

2 - Almost all maize is produced from ………..

3 – Moisture content at harvest time is usually below ………..

4 – For any target plant population the required …………….. must be determined

5 – Wheat varieties have arrange of seed size to …… mg/seed

**6 –** Wheat is believed to have originated in …….. across between ……and ………. .

7 – The ratio of protein to starch in wheat kernel is function of ……….. , ……. , and

….…..…at the time of ……….stage.

8 – Producer choose wheat cultivars based on …….. , ………. , ………and ………..

9 – Seeding rate depends on the ………., ………., ………. and ………..

10 – Give the scientific name of bread wheat…………… and rice ………….

**Q /**

**1 -**  Compare between types of: 1 – wheat 2 – Barley

**2 -** list the factors that effect on vegetative growth in wheat.

3 – Botanically psuedocereals are neither grasses nor true cereal grains.

4 – The main differences between two wheat type is temperature.

5 - Seed are hygroscopic.

6 – Many of the wheat and barley cultivars have the semidwarf gens.

7 – Depth of sowing is important for wheat.

**8** – Explain malting processes in barley.

**9– Explain the factors that effects on reproductive stage in maize crops.**

**10 –List the rice culture according to Buddenhagen classification.**

**11 – What is the difference between winter and spring barley varieties?**

**12– There are several methods to raising rice seed such as dapog method, explain this method).**

**13 – Define thermal time, and how to calculate it.**

**14 – Wheat is along day plant.**

**15– Discuss the time of seeding and seeding rate.**

**Q / Define.**

Enkorn wheat , Spelt . phytin , Plant establishment , Free water , Cereal crops, True cereals , Pseudo cereals, Enkorn wheat , Dapog , Plant establishment , Hormones, mucilage, einkorn , thermal time

**Dr. Sakar A. Kakarash**