

**Hemchandracharya North Gujarat University**  
**Community College**  
**Advance Diploma in Agriculture and Soil Science**  
**Semester- III**  
**Internal Examination, November-2018**  
**Subject Code: - AS- 304**  
**Subject: - Agronomy of field crops-II (Kharif crops)**

Time: 2 hrs

Date: 19/11/2018

Marks: 40

**Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.**

**[10\*1=10]**

1. Main Rice Research Station is located at \_\_\_\_\_  
[A] Navsari [B] Surat  
[C] Nawagam [D] Vyara
2. International center for wheat and maize research is located at \_\_\_\_\_  
[A] India [B] Philippines  
[C] USA [D] Mexico
3. \_\_\_\_\_ is origin of sorghum.  
[A] China [B] [C] [D]  
[C] South America [B] East Central Africa  
[D] India
4. According to WHO, for daily balance diet \_\_\_\_\_ pulse/capita is required.  
[A] 50-60gm [B] 70-80gm  
[C] 85-104 gm [D] 100-150 gm
5. Which one is botanical name of Pigeon pea?  
[A] *Oryza sativa* L. [B] *Vigna radiate* L.  
[C] *Cajanus cajan* L. [D] *Glycine Max merril*.
6. Which one is family of Maize?  
[A] Gramineae [B] Euphorbiaceae  
[C] Malvaceae [D] Leguminoseae
7. What is the seed rate of pigeon pea when it is sown as a sole crop?  
[A] 5-6 kg [B] 6-7 kg  
[C] 10-12 kg [D] 12-15 kg
8. \_\_\_\_\_ is used for making vanaspathi ghee.  
[A] Rice [B] Soyabean  
[C] Sesamum [D] Cotton
9. Which crop oil is used in a paint industry?  
[A] Sesamum [B] Cotton  
[C] Castor [D] Soyabean
10. Pedaliaceae is a family of which crop?  
[A] Rice [B] Cotton  
[C] Soyabean [D] None of these

**[P.T.O.]**

**Q.2 Answer any 4 questions. Each question carries 05 marks.**

**[4\*5=20]**

1. Write down the classification of pigeon pea.
2. Write down the type of maize in detail.
3. Write down the time of sowing, method of sowing, seed treatment, spacing and seed rate of green gram.
4. Write down manure & fertilizer, irrigation, weeding and inter-culturing in black gram.
5. Write down the classification of sesamum.

**Q.3 Answer any one. Each question carries 10 marks.**

**[1\*10=10]**

1. Write down Dapong method in detail.
2. Write down the cultivation practices of green gram in detail.