

HALF YEARLY EXAMINATION, 2024-25

AGRICULTURE

Time – 3:00 Hrs.

Class – XI

M.M. : 60

Date – 12.09.2024 (Thursday)

Name of the student _____ Section _____

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully.
2. This Question Paper consists of 24 questions in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (6 + 18 =24) questions, a candidate has to answer (6 + 11 =17) questions in the allotted (maximum) time of 3 hours.
5. SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):
 - i. This section has 06 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking
6. SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.

SECTION A OBJECTIVE TYPE QUESTIONS

Q.1 Answer any FOUR out of the given 6 questions on Employability skills. (4x1=4)

- i. Formal communication is used at _____.
A. Friend B. House C. Party D. Workplace
- ii. Forms of verbal communication are _____.
A. Written B. Speaking C. Both A & B D. Learning
- iii. Teacher Meena advised her students to write down 2 or 3 sentences when she explains the lesson. How does it help the students?
A. Speak B. Recollect what she said C. Write D. Read
- iv. “I will get my way no matter what.” Which communication style this statement is showing?
A. Passive-Aggressive B. Assertive C. Aggressive D. Passive
- v. Out of the following which one is the least expensive form of communication?
A. Verbal/ oral communication B. Non – verbal communication
C. Written communication D. Visual communication
- vi. The _____ is what or whom a sentence is about.
A. Subject B. Predicate C. Object D. Verb

Q.2 Answer any FIVE out of given 7 questions. (5x1=5)

- i. Which of the following herbicide used in rice crop for controlling weeds?
A. Fluchloraline B. Propanil C. Isoproturon D. Glyphosate
- ii. Botanical name of Groundnut is-
A. *Sorghum bicolor* B. *Arachis hypogea l* C. *Elusine corecana* D. *Pennisetum sp.*

- iii. Name any two primary tillage implements.
- iv. Define intercropping.
- v. Which of the following is a very popular variety of mustard?
A. Sabarmati B. CSH-1 C. Vijay D. Pusa Jai Kisan
- vi. Kalyan Sona, LOK-1 and HDR 77 are varieties of which crop?
A. Rice B. Maize C. Sorghum D. Wheat
- vii. Name the special tillage operation followed in standing water before transplanting of rice.

Q.3 Answer any SIX out of given 7 questions. (6x1=6)

- i. Origin place of red gram / pignon pea is:
A. Africa B. China C. India D. Indo-Burma region
- ii. Ideal spacing of groundnut crop is-
A. 65 x 25 cm B. 30 x 10 cm C. 90 x 30 cm D. 45 x 45 cm
- iii. Which of the following is not a hybrid variety of mango?
A. Arka Anmol B. Sindhu C. Dasherri D. Amrapali
- iv. Which of the following two crops are responsible for almost 75% of pulse production in India?
A. Gram & moong bean B. Pigeon pea & moong bean
C. Moongbean & lentil D. Gram & pigeon pea
- v. Name any two day neutral plants.
- vi. Banana is well adapted for which type of climatic condition?
A. Tropical climate in the warm and humid parts of Asia B. Temperate climate
C. Arid climate D. None of these
- vii. What is the main objective of trap cropping?
A. Trapping weeds B. Generate extra income
C. Prevent soil erosion D. Trapping of pest & insect

Q.4. Name any FIVE out of given 6 questions. (5x1=5)

- i. Name the meteorological equipment used for measuring Relative humidity?
- ii. Central government of India introduced Pradhanmantri Fasal Bima Yojna in the year -
A. 2018 B. 2000 C. 2016 D. 2010
- iii. Origin place of pea is-
A. Africa B. Ethopia C. Indonesia D. India
- iv. Vijay, Kissan, Ganga -1 are varieties of which crop?
A. Groundnut B. Pea C. Wheat D. Maize
- v. Seedless variety of mango Sindhu is cross of -
A. Neelum x Dashehri B. Neelum x Alphonso
C. Alphonso x Baganpalli D. Ratna x Alphonso
- vi. Name the commercial method of propagation of mango.

Q.5 Answer any FIVE out of given 6 questions. (5x1=5)

- i. Which crop is known of Gold of America?
- ii. The main problem of acidic soil is toxicity of some nutrients and unavailability of primary nutrients. Is the statement true or false?

- iii. Write the chromosome number of Pea.
- iv. Which soil texture is good for vegetables? Write the reason also?
- v. Write the family and origin place of sunflower.
- vi. Name the first hybrid variety of sorghum.

Q.6 Answer any FIVE out of given 6 questions. (5x1=5)

- i. Under which government scheme short term credit is provided to farmers for small credit needs?
- ii. Name the institute responsible for all the research related to rice, write the location of institute also.
- iii. Which state is leading producer of groundnut?
- iv. Pigeon pea is a highly cross pollinated crop. Is the statement true or false?
- v. Which type of soil covers largest area in India?
- vi. Give any two example of parallel cropping.

SECTION - B SUBJECTIVE TYPE QUESTIONS

Answer any THREE out of 5 questions on Employability skills in 20-30 words. (3x2=6)

- Q.7 What is assertive communication?
- Q.8 Which factors affect the values of an individual?
- Q.9 Indicate about some self exploration technique.
- Q.10 What can be the barriers in effective communication?
- Q.11 Explain about some time management strategies.

Answer any THREE out of 5 questions in 20-30 words. (3x2=6)

- Q.12 Enlist the different soil structures. Explain the problems related with blocky structure.
- Q.13 Enlist different branches of agriculture.
- Q.14 Explain about marketing channel of Agricultural crops. Design a marketing channel for a distant commercial market.
- Q.15 Define preparatory tillage operations.
- Q.16 Indicate the climatic requirement for black gram & red gram.

Answer any TWO out of given 3 questions in 30 to 50 words each. (3x2=6)

- Q.17 Explain about any four soil conservation methods to prevent soil erosion by wind and water.
- Q.18 How rainfall and temperature affects the crop? Which is the most important climatic factor related to selection of crop for a particular climatic condition?
- Q.19 Why sorghum is known as camel crop? Write the climatic requirement of pearl millet.

Answer any THREE out of given 5 questions in 50 to 80 words each. (4x3=12)

- Q.20 Explain package of practices of banana under following points-
 - a) Climatic requirement b) Propagation c) Spacing
 - d) Important varieties e) Denavelling
- Q.21 Explain about types of co-operative farming in detail.
- Q.22 Explain about package of practices of sugarcane under following points:
 - a) Botanical description b) Harvesting indices c) Planting methods
- Q.23 Indicate the types of tillage. Describe about conservation tillage.
- Q.24 Explain about problems found in salt affected soil. Explain about reclamation method also.

