

PT4/ANNUAL EXAMINATION, 2023-24

AGRICULTURE

Time – 3 hrs.

Class – XI

M.M. – 60

Name of the student _____ Section _____ Date - 19.02.2024 (Monday)

GENERAL INSTRUCTIONS -

1. Please read the instructions carefully.
2. This Question Paper consists of 24 questions in two sections – Section A & 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 24 questions.
 - ii. A candidate has to do 17 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. (1x4=4)

- i. Which one of the following is an example of operating system?
A. MS Word B. MS Access C. Desktop D. Windows
- ii. Values decide the _____ of a person.
A. character B. job C. home D. system
- iii. Formal communication is used at _____.
A. Friend B. House C. Party D. Workplace
- iv. 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
- v. The shortcut key to select the whole document in Apache Office Writer?
A. Ctrl+A B. Ctrl+C C. Ctrl+X D. Ctrl+V
- vi. In which year biological diversity act was launched?
A. 2012 B. 2002 C. 2004 D. 2010

Q.2 Answer ANY FIVE out of given 7 questions. (1x5=5)

- i. Conventional barn system for dairy cattle housing is suitable in hilly & high rainfall areas. Is the statement true or false?
- ii. Which of the following herbicide is generally used in rice crop for controlling weeds?
A. Fluchloraline B. Propanil C. Isoproturon D. Glyphosate
- iii. Name any two viral diseases of poultry birds.
- iv. Name any two primary tillage implements.

- v. Deep litter system is method of housing of_____.
- vi. Botanical name of groundnut is-
A. *Sorghum bicolor* B. *Arachis hypogea* C. *Elusine corecana* D. *Pennisetum sp.*
- vii. Sun cured green grass (fodder) is called _____.

Q.3 Answer ANY SIX out of given 7 questions. (1x6=6)

- i. Which of the following is a very popular variety of mustard?
A. Sabarmati B. CSH-1 C. Vijay D. Pusa Jai Kisan
- ii. Fat content of Sahiwal milk is more than that of Holstien Friesian milk. Is the statement true or false?
- iii. The spermatozoa (male germ cells) & testosterone are produced in male in:
A. Prostate gland B. Epididymus C. Cowper's gland D. Testis
- iv. Kalyan Sona, LOK-1 and HDR 77 are varieties of which crop?
A. Rice B. Maize C. Sorghum D. Wheat
- v. According to body weight of the calf, how much colostrums should be fed daily to it?
- vi. Name the special tillage operation followed before transplanting rice in standing water.
- vii. Name any two value added products prepared from rose.

Q.4. Name ANY FIVE out of given 6 questions. (1x5=5)

- i. At which stage, for tomato ketchup preparation tomatoes should be harvested?
- ii. Mendel's which law is known as first law of inheritance?
- iii. Name the milking method used for dairy animals having small teats.
- iv. Origin place of red gram / pignon pea is:
A. Africa B. China C. India D. Indo-Burma region
- v. Separation of a new born calf from cow is known as _____.
- vi. Ideal spacing of sorghum crop is-
A. 65 x 25 cm B. 45 x 15 cm C. 90 x 30 cm D. 45 x 45 cm

Q.5 Answer ANY FIVE out of given 6 questions. (1x5=5)

- i. Which government scheme was launched in backward hilly & non-operation flood regions in order to provide proper technical support to dairy farmers?
- ii. 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. Moong bean & lentil D. Gram & pigeon pea
- iii. Which gas is major constituent of biogas?
- iv. Name meteorological equipment is used for measuring Relative humidity?
- v. Which compartment of stomach in ruminant animal is known as true stomach?
- vi. Name the soil best for vegetable cultivation.

Q.6 Answer ANY FIVE out of given 6 questions. (1x5=5)

- i. Name any one method of processing milk.

- ii. Who is known as father of Agronomy?
- iii. Seed rate for hybrid tomato is-
A. 400 g/ha B. 125-150 g/ha C. 500 g/ha D. 50 g/ha
- iv. 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 of Rajasthan D. None of the above
- v. Write any one advantage of rotational grazing.
- vi. Name any two day neutral plants.

SECTION - B (SUBJECTIVE TYPE QUESTIONS)

Answer ANY THREE out of 5 questions on Employability skills in 20-30 words. (2x3=6)

- Q.7 Which values does a successful entrepreneur have? Write any three values.
- Q.8 Enlist the components of green economy?
- Q.9 What is assertive communication?
- Q.10 Which factors affect the values of an individual?
- Q.11 Indicate the ways of opening a document in Apache Open Office software.

Answer ANY THREE out of 5 questions in 20-30 words. (2x3=6)

- Q.12 Enlist different branches of agriculture.
- Q.13 Explain about the corrective measures for acidic soil. Define acidic soil.
- Q.14 Enlist different meteorological implements.
- Q.15 During advance stage of pregnancy, milk production is reduced. Give reason.
- Q.16 Indicate any two advantages of tail to tail system of cattle housing.

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

- Q.17 What is calf starter? Name the ingredients.
- Q.18 Explain about SRI method of rice cultivation.
- Q.19 Write the functions of chloroplast.

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

- Q.20 Describe in short the causes, symptoms & prevention of any two of the following cattle diseases:
a) Black quarter b) Foot & mouth disease c) Rinderpest
- Q.21 Explain about the following methods of propagation with suitable examples:
a) Tissue culture b) Air layering c) Mound layering d) Hard wood cutting
- Q.22 Explain about package of practices of cauliflower under following points:
a) Seed rate b) Spacing c) Physiological disorders
- Q.23 Indicate the difference between soil texture & soil structure. Explain about types of soil structure with suitable diagram.
- Q.24 Explain all the stages of hybridization technique in crop plants.

