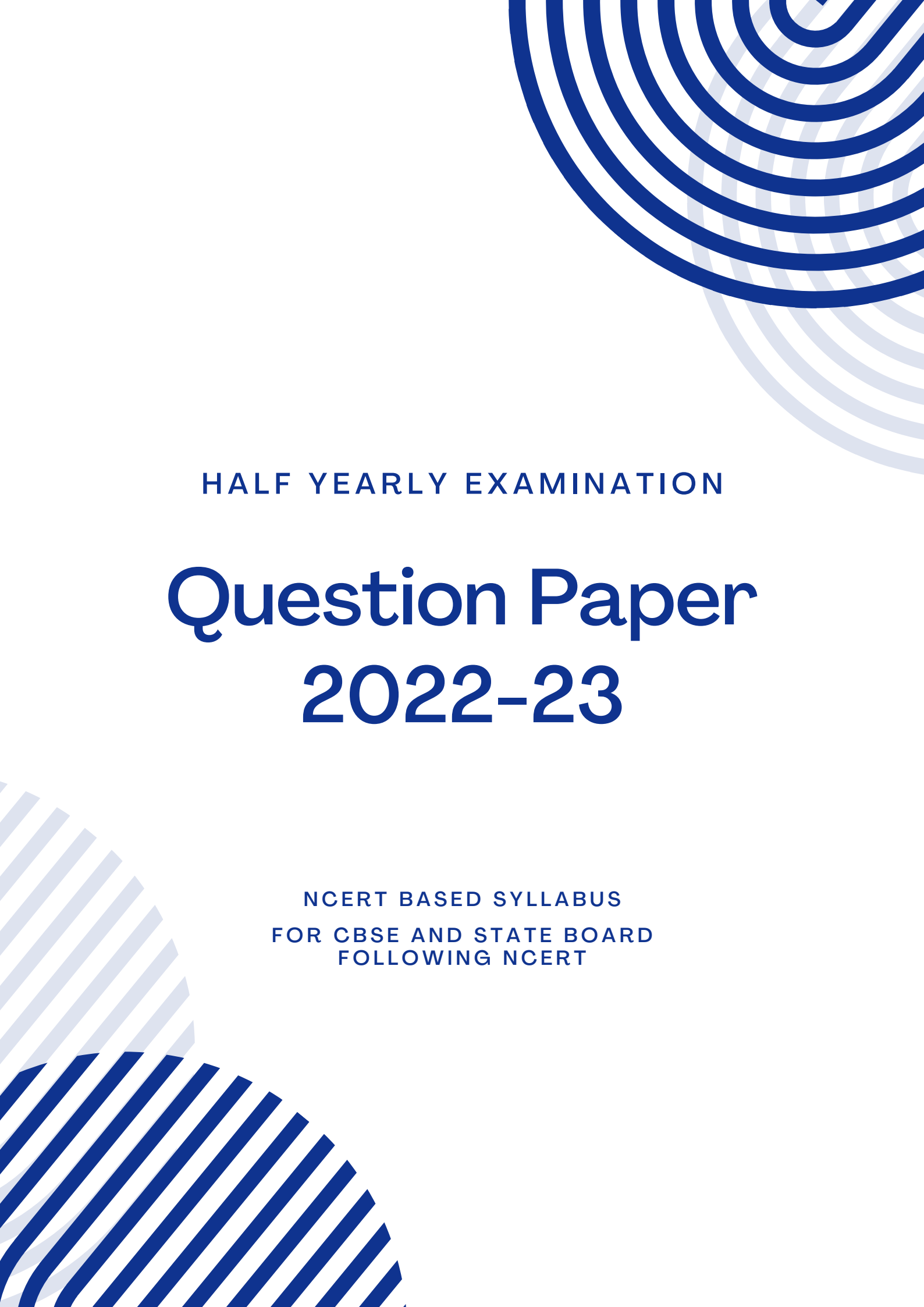




HALF YEARLY EXAMINATION

Question Paper 2022-23

NCERT BASED SYLLABUS
FOR CBSE AND STATE BOARD
FOLLOWING NCERT

QUESTION PAPER

PT-2/HALF YEARLY EXAMINATION, 2022-23

AGRICULTURE

Time - 7:15 AM to 10:20 AM

Class - XII

M.M. : 60

Date – 07.09.2022 (Wednesday)

Name of the student _____ Section _____

General Instructions:

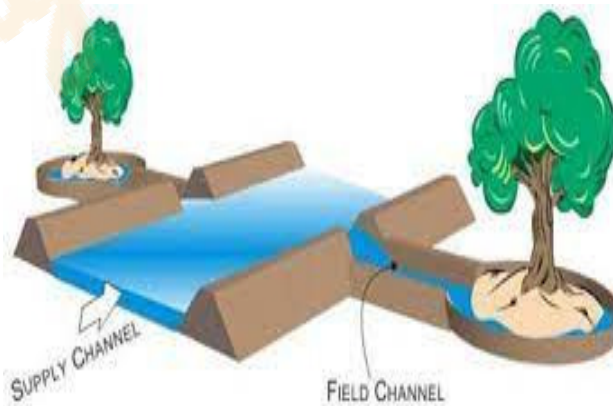
- Please read the instructions carefully.
- This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.

SECTION - A (20 marks)

Answer ANY 08 question out of given 11 questions.

(8x1= 8)

- Q.1 Write the name of any important government scheme for development in food sector.
- Q.2 Pre cooling treatment is important for -
- A. removing field heat B. slowing the senescence process
- B. enhance the shelf life of the commodity D. all of above
- Q.3 Processing percentage of fruits and vegetables in India is -
- A. 4% B. 6% C. 2% D. 10%
- Q.4 Complete the process -
- Harvesting -> Threshing-> _____-> Drying-> Storage
- A. Ginning B. Milling C. Winnowing D. Delinting
- Q.5 Pasta, noodles, breakfast cereals are prepared by using which method?
- A. Fermentation B. Flaking C. Puffing D. Extrusion
- Q.6 Identify the irrigation method-



- Q.7 Rhizobium of alfa alfa group is -
- A. Lupine B. Legumini C. Japonicum D. Melliloti
- Q.8 Which fruit crop is known as “Apple of paradise” and “Kalptaru”?
- Q.9 Harvesting stage of rose for distant market is_____.

- Q.10 By the introduction and release of which natural enemy in USA biological control of cottony cushion scale has been successfully done in southern India ?
- Q.11 Whole of the hygroscopic water (-10000) plus a part of the capillary water below the wilting point (-15 bar) is known as_____.

Answer ANY 06 questions out of the given 08 questions

(6x2 = 12)

- Q.12 Write the significance of horticultural crops in nutritional security.
- Q.13 How flood irrigation is different from check basin method?
- Q.14 What are primary nutrients? Write examples of primary nutrients.
- Q.15 What is soil productivity?
- Q.16 Define Integrated Pest Management.
- Q.17 Write any two functions of phosphorous in plants.
- Q.18 What is simple and complex fertilizer? Give an example of each.
- Q.19 Write the water requirement of rice and maize.

SECTION - B (5x3 = 15)

Answer ANY 05 out of given 07 Questions.

- Q.20 What is pulsing? Name the chemical that is commercially used for pulsing treatment of flowers.
- Q.21 Explain the role of biological control method in IPM.
- Q.22 Explain about radiation treatment in vegetables with any two example.
- Q.23 What is integrated nutrient management? Enlist its components.
- Q.24 Write the significance of bio-fertilizers in maintaining soil fertility.
- Q.25 What is water requirement of crop? Write the formula.
- Q.26 What is hygroscopic water?

SECTION-C (5x5=25 marks)

Answer ANY 05 questions out of the given 06 questions.

- Q.27 What is organic farming? Write the principles of organic farming.
- Q.28 What is zero energy cool chamber? Explain its structure with diagram.
- Q.29 Write the difference between manure and fertilizer.
- Q.30 Explain about border and strip method of irrigation with diagram. Which crops can be irrigated by this method?
- Q.31 Explain the role of calcium magnesium and sulfur in plants.
- Q.32 Explain about National project on Organic farming. Write the advantages of organic farming.

