

Time : 3 hrs.]**Note :** (1) All questions are compulsory.

(2) Answers to the question in Section - I and Section - II should be written in TWO separate answer books.

(3) Questions from Section - I attempted in the answer book of Section - II and vice-versa will not be assessed / not given any credit.

(4) Draw neat and well labelled diagrams wherever necessary.

(5) Figures to the right indicate full marks.

(6) Answer to every new question must be started on a new page.

SECTION - I**BOTANY****Q. 1. Select and write the most appropriate answer from the given alternatives for each sub-question :****[7]**

- (i) A cross used to verify the unknown genotype of F₁ hybrid is a _____ cross.
(a) test (b) back (c) dihybrid (d) monohybrid
- (ii) Appearance of new combinations in F₂ generation in a dihybrid cross proves the law of _____.
(a) dominance (b) segregation
(c) independent assortment (d) purity of gametes
- (iii) A fine powder of recycled modified plastic is known as _____.
(a) polyblend (b) polythene (c) polyester (d) polymer
- (iv) The partially decomposed organic matter is formed by a process called _____.
(a) fragmentation (b) humification (c) mineralization (d) leaching
- (v) Transfer of genetic material into a bacterial cell through a viral vector is known as _____.
(a) transformation (b) transduction (c) transfection (d) translation
- (vi) If the number of chromosomes in an endosperm cell is 27, what will be the chromosome number in the definitive nucleus?
(a) 9 (b) 18 (c) 27 (d) 36
- (vii) Lever mechanism of pollination is observed in _____.
(a) Salvia (b) Jasmine (c) Bougainvillea (d) Butea

Q. 2.(A) Answer in 'one' sentence each :**(6) [12]**

- (i) A pea plant pure for yellow seed colour is crossed with a pea plant pure for green seed colour. In F₁ generation, all pea plants were with yellow seeds. Which law of Mendel is applicable?
- (ii) Name the enzyme responsible for delay in ripening of tomato fruit.
- (iii) Which are the bacteria responsible for converting organic acids into methane?
- (iv) Name the high yielding semi-dwarf varieties of wheat selected and introduced in India in 1963.
- (v) 'Formation of primary endosperm nucleus is called triple fusion'. Give reason.
- (vi) Mention any 'two' ecological services for the benefit of mankind.

Q. 2.(B) Sketch and label 'tubular tower fermenter'.**(2)**

Hsc Question Paper Science

Kajal Kanjilal



Hsc Question Paper Science:

H.S.C Sample Papers Science Stream for 2022 Exam (Maharashtra Board) : New Pattern Questions - Hindi, Eng. Marathi, Maths & Stats, Physics, Chem, Bio Oswal - Gurukul,2021-08-25 H S C SAMPLE PAPERS Maharashtra Board for 2022 Exam Science Stream Handbook of 8 Subjects Activity Sheet Question Papers on New Pattern **Excel HSC & Preliminary Senior Science** Jennifer Hill,2011 This comprehensive study guide covers the complete HSC Preliminary Senior Science course and has been specifically created to maximise exam success This guide has been designed to meet all study needs providing up to date information in an easy to use format The sample HSC Exam has been updated for the new format Excel HSC Preliminary Senior Science contains an introductory section including how to use the book and an explanation of the new course helpful study and exam techniques comprehensive coverage of the entire Preliminary and HSC courses hundreds of diagrams to aid understanding icons and boxes to highlight key concepts and assessment skills including laboratory and field work checklists of key terms end of chapter revision questions with fully explained answers a trial HSC style exam with answers and explanations a glossary of key terms useful websites highlighted throughout

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Christian Science Sentinel ,1900

The School Science Review ,1946

Home Science Class 11 Jharkhand

Board Meera Goyal,2024-09-29 1 Concept of Home Science and its Scope 2 Adolescence Characteristics Developmental Tasks Needs 3 Physical Development in Adolescence 4 Emotional and Social Development in Adolescence 5 Cognitive Development in Adolescence 6 Interpersonal Skills Family Peers and Members of the Community 7 Problems of Adolescence Specific Issues and Concerns 8 Population Education 9 Food Nutrition and Health Definition and Relationship 10 Functions of Food 11 Nutrients of Food and Selection of Food for Good Health 12 Nutritive Diet Proper Selection Preparation Cooking and Storage 13 Concept of Family 14 My Resources 15 Process of Management and Decision making 16 Management of Time and Energy 17 Space Management and its Need 18 Elements of Art and Principles of Design 19 Use of Colours Light and Accessories in Space Management 20 My Apparel An Introduction to Fibre Science 21 Fabric Construction 22 Fabric Finishing and Dyeing Printing Practical Home Science Unit I Diet Nutrition Health and Well Being Unit II Family and Community Resources Unit III Clothing and Apparel Appendix I List of Hindi and English Names of Normal Fruits Vegetables and Spices Appendix II Terminology Used for Kitchen Appendix III Health related Food Appendix IV Measurement of Food Appendix V Nutritional List of Food by the Indian council of Medical Research ICMR Board Examination Question Paper

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