|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – I** | | | |
| **PAPER CODE: 101:** **FUNDAMENTS OF HORTICULTURE**  **(Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write about Agroecological regions of India and mention major horticulture crops grown in these regions | | |
| **2.** | Write an essay on different types of classifications of Soils | | |
| **3.** | Mention different types of irrigation methods. Explain how microirrigation is advantageous over other methods by taking one horticulture as an example | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Site selection for establishing an Orchard | |
|  | **b)** | Leaf analysis | |
|  | **c)** | Importance of Horticulture | |
|  | **d)** | Inorganic fertilizers | |
|  | **e)** | Divisions of Horticulture | |
| **5.** | Discuss about the principles and methods of Pest and Disease management | | |
| **6.** | Write about the factors effecting flower bud initiation and formation | | |
| **7.** | Write an essay on deficiency symptoms of macro and micro nutrients and remedial measures with diagrammatic representation | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Assessment of irrigation requirement | |
|  | **b)** | Soil water | |
|  | **c)** | Systems of planting | |
|  | **d)** | Homologons theory | |
|  | **e)** | Methods of application fertilizers | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – I** | | | |
| **PAPER CODE: 102:** **PLANT PROPAGATION & NURSERY MANAGEMENT**  **(Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Describe the process of seed germination and the factors effecting the seed germination | | |
| **2.** | Discuss the principles of pure seed production | | |
| **3.** | Write about the types of Cuttings and factors effecting the regeneration of Cuttings | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Pregermination seed treatment | |
|  | **b)** | Grafting incompatibility | |
|  | **c)** | Regeneration of layers | |
|  | **d)** | Importance of sexual propagation | |
|  | **e)** | Media constituents and Media preparation | |
| **5.** | Write about the types of Cuttings and factors effecting the regeneration of Cuttings | | |
| **6.** | Write an account on the importance of Grafting and and describe the steps involved in graft union | | |
| **7.** | Describe the commercial methods of propagation in Rose, Mango, Grapevine and Pineapple | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | T - budding in Rose | |
|  | **b)** | Types of human - aided layering | |
|  | **c)** | Differentiate Layerage from Cutting | |
|  | **d)** | Differentiate Budding from Grafting | |
|  | **e)** | Selection of Scion material | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – I** | | | |
| **PAPER CODE: 103:** **GREEN HOUSE MANAGEMENT**  **(Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write in detail about localized heating system in Green House | | |
| **2.** | Describe the production technology of Carnation in Green House | | |
| **3.** | Write in detail about the Pest and disease management in Green House | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Horizontal air flow system | |
|  | **b)** | Horticultural operations in Chrysanthemum | |
|  | **c)** | Off season vegetable production | |
|  | **d)** | Points to be considered before establishing a Green house | |
|  | **e)** | Deficiency symptoms and remedial measures in Green House | |
| **5.** | Give a detailed account on types of Green House covering materials | | |
| **6.** | Discuss about Green House Vegetable production. | | |
| **7.** | Discuss the importance of Green House and scope and production of horticultural crops in Green House | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Post harvest handling of Green House horticulture produce | |
|  | **b)** | Prospects in India for commercial Poly house vegetable production | |
|  | **c)** | Fog cooling ion Green House | |
|  | **d)** | Fertigation in Bell Pepper | |
|  | **e)** | Ventilation and air circulation in Green House | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – I** | | | |
| **PAPER CODE: 104:** **POMOLOGY**  **(Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an account on the origin, distribution, soils and climatic conditions required for the cultivation of Mango | | |
| **2.** | Describe the flowering, fruit growth and problems in fruit set in Guava and add a note on production technology | | |
| **3.** | Give an account on varieties, sex expression, and sex determination and production technology of Papaya | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Explain varieties and planting methods in Pineapple | |
|  | **b)** | Important cultural practices in Pomegranate | |
|  | **c)** | Selection of rootstock in Sapota | |
|  | **d)** | Pruning and training in Grapes | |
|  | **e)** | Intercultural operations in Banana | |
| **5.** | Describe the botany and cultural practices of Custard Apple | | |
| **6.** | Write about cultural practices, pest and disease management in Banana | | |
| **7.** | Write about the varieties, cultural practices and physiological disorders of Pomegranate | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Planting methods in Pine apple | |
|  | **b)** | Important cultural practices in Date Palm | |
|  | **c)** | Planting methods in Tamarind | |
|  | **d)** | Pest and disease management in Wood Apple | |
|  | **e)** | Important cultural practices in Almond | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – II** | | | |
| **PAPER CODE: 201:** **OLERICULTURE AND VEGETABLE SEED PRODUCTION (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write in detail about cultural practices of Tomato | | |
| **2.** | Give a detailed account on Pest and Disease management in Bell Pepper | | |
| **3.** | Write in detail about package of practices of Cauliflower | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Planting of Yams | |
|  | **b)** | Manures and fertilizers in Carrot | |
|  | **c)** | Sex expression and sex ratio in Cucurbits | |
|  | **d)** | Tuber formation in Potato | |
|  | **e)** | Raising of seedlings in Solanaceous Crops | |
| **5.** | Explain in detail about production technology of Onion | | |
| **6.** | What are the important cultural practices to get higher yields in Potato | | |
| **7.** | Suggest important varieties and hybrids and mention cultural hints for cultivation of Okra | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Diseases in Potato | |
|  | **b)** | Intercultural operations in Sweet Potato | |
|  | **c)** | Thinning, gap filling and earthing up in Beetroot | |
|  | **d)** | Cultural hints in Curry leaf | |
|  | **e)** | Propagation and planting in Coccinea | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – II** | | | |
| **PAPER CODE: 202:** **COMMERCIAL FLORICULTURE (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Discuss the production technology, pest and disease management in Rose | | |
| **2.** | Write an account on production technology,pest and disease management in Chrysanthemum | | |
| **3.** | Give an account on the production technology, pest and disease management in Jasmine | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Pest and disease management in Gladiolus | |
|  | **b)** | Role of environmental factors in the growth and flowering of Anthuriums | |
|  | **c)** | Plant morphology in orchids | |
|  | **d)** | Defoliation in Jasmine | |
|  | **e)** | Manuring and fertilizers in China aster | |
| **5.** | Write about the production technology in Gerbera and its pest and disease management | | |
| **6.** | Describe the production technology, pest and disease management in Carnation | | |
| **7.** | Discuss the production technology in orchids | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Manuring and fertilizers in Tuberose | |
|  | **b)** | Pest and disease management in Crossandra | |
|  | **c)** | Cultural hints in Dhalia | |
|  | **d)** | Manuring and fertilizers in Anthurium | |
|  | **e)** | Important horticultural practices in Lilliums | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – II** | | | |
| **PAPER CODE: 203:** **PLANTATION CROPS, SPICES AND CONDIMENTS (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an essay on the cultivation practices of Coconut | | |
| **2.** | Give an account on the origin and distribution, area and production technology of Oil Palms | | |
| **3.** | Write a detailed account on propagation, manuring, pests and diseases of Cashew nut | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Training and pruning of Cocoa | |
|  | **b)** | Tapping in Rubber | |
|  | **c)** | Soil and Climatic conditions of Tea | |
|  | **d)** | Coffee varieties | |
|  | **e)** | Advantages of inter cropping and mixed cropping | |
| **5.** | Discuss about the origin, cultivation practices and pests and diseases of Ginger | | |
| **6.** | Write an essay on the origin, uses, Botany and cultivation of Turmeric | | |
| **7.** | Give an account on the composition, uses, origin and distribution, propagation, pests and diseases of Cardamom | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Uses and cultivation of Pepper | |
|  | **b)** | Curing of Cardamoms | |
|  | **c)** | Cultivation of Cumin | |
|  | **d)** | Cultivars of Coriander | |
|  | **e)** | Curing and grading of Nutmeg | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – II** | | | |
| **PAPER CODE: 204:** **MEDICINAL AND AROMATIC CROPS (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an in detail medicinal account Aswagandha | | |
| **2.** | Give an account on the origin and distribution, area and production technology of Cinchona | | |
| **3.** | Describe the medicinal importance of wild species of Long pepper | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Aloe | |
|  | **b)** | Withanolides | |
|  | **c)** | Varieties of Cinchona | |
|  | **d)** | Fertilizers for Long pepper | |
|  | **e)** | Aloe chemical composition | |
| **5.** | Write an essay on the uses, origin, distribution and cultural hints of Belladonna | | |
| **6.** | Give a concise account on uses, origin, propagation and processing of Rauvolfia | | |
| **7.** | Write an account on the profile, varieties, cultural practices of Lemon grass | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Mint | |
|  | **b)** | Periwinkle | |
|  | **c)** | Khus | |
|  | **d)** | Palma Rose | |
|  | **e)** | Oscimum | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – III** | | | |
| **PAPER CODE: 301:** **PRINCIPLES OF LANDSCAPE GARDENING (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Discuss English garden style with suitable examples. How did William Kents’ principles of garden design help in developing the style? | | |
| **2.** | Landscape analysis is a prerequisite for any major planning project. Justify the statement | | |
| **3.** | Discuss the relevance of landscape design in industrial design. Suggest plant material for a cement industry to combat pollution | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Air pollution | |
|  | **b)** | Topography | |
|  | **c)** | Sculpline in landscape | |
|  | **d)** | Landscape of cemeteries & crematoriums | |
|  | **e)** | Ecosystem | |
| **5.** | What are the physical attributes of plants that help in landscape design of parks? Suggest suitable plants for a tot lot in a neighborhood park | | |
| **6.** | Discuss how various elements of landscape design help in creating tramition spaces to integrate built environment to outdoors | | |
| **7.** | What is environmental impact Assessment? How does it help in development major building activities in Hilly areas? | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Roof garden | |
|  | **b)** | Highway landscaping | |
|  | **c)** | Water pollution | |
|  | **d)** | Indoor plants | |
|  | **e)** | Japanese garden design | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – III** | | | |
| **PAPER CODE: 302:** **ORNAMENTAL GARDENING (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an essay on basic principles of garden designing | | |
| **2.** | Write about effect of light, temperature and water on indoor plants and discuss about the management of common problems of indoor plants | | |
| **3.** | What is a water garden? Write in detail about construction, testing, method of planting and care of water garden | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Shrubbery | |
|  | **b)** | Hedges and edges | |
|  | **c)** | Turf management | |
|  | **d)** | Topiary and pergolas | |
|  | **e)** | Garden paths | |
| **5.** | Write a concise account on landscape management | | |
| **6.** | Write in detail about preparation, method of planting and maintenance of lawn and mention types of grasses selected for planting a lawn | | |
| **7.** | Write an essay on ornamental climbers with examples | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Garden operations after planting | |
|  | **b)** | Pruning | |
|  | **c)** | Rock garden | |
|  | **d)** | Method of pest and disease management | |
|  | **e)** | Potted plants | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – III** | | | |
| **PAPER CODE: 303:** **LANDSCAPE MANAGEMENT AND LAWN MANAGEMENT (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an account on Landscaping Educational Institutes | | |
| **2.** | Describe the components of Landscape garden | | |
| **3.** | Enumarate the importance of Japanese Lanterns | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Air pollution | |
|  | **b)** | Road side plantations | |
|  | **c)** | Retaining wall | |
|  | **d)** | Bird baths | |
|  | **e)** | Plant Standards | |
| **5.** | Discuss the features of Mughal Garden | | |
| **6.** | Write a detailed account on the types of Japanese Garden | | |
| **7.** | Explain different types of Grasses for lawn management | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Terrace | |
|  | **b)** | Stone Lanterns | |
|  | **c)** | Bermuda grass | |
|  | **d)** | Weeding | |
|  | **e)** | Turf plastering | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – III** | | | |
| **PAPER CODE: 304:** **PLANT GROWTH REGULATORS IN HORTICULTURE (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an account on different types of Plant Growth substances and their biosynthesis | | |
| **2.** | Give a concise account on Physiological effects of Auxins and Gibberellins | | |
| **3.** | Write a brief account on the mechanism of Auxins and Gibberellins | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Photoperiodism | |
|  | **b)** | Phenolic substances | |
|  | **c)** | Vernalization | |
|  | **d)** | Abscisic acid | |
|  | **e)** | Ethylene | |
| **5.** | Explain the role of Cytokinins in Seed germination and Fruit developemnt | | |
| **6.** | Write in detail note on production of parthenocarpic fruits and its applications | | |
| **7.** | Explain the role of phytohormones in sex expression of vegetable crops | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Apical dominance | |
|  | **b)** | Gerbera | |
|  | **c)** | Growth retardants | |
|  | **d)** | Tuber formation | |
|  | **e)** | Tuber growth | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – IV** | | | |
| **PAPER CODE: 401:** **INTEGRATED PEST AND DISEASE MANAGEMENT (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write an easy on Integrated Pest management for mango | | |
| **2.** | Describe the Integrated Pest management for Citrus | | |
| **3.** | Role of Integrated Pest management in Vegetable crops | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | IPM pyramid | |
|  | **b)** | Pests | |
|  | **c)** | Bacterial pathotypes | |
|  | **d)** | Biological treatment of pests | |
|  | **e)** | Pesticides | |
| **5.** | Write an account on Identification and control measures of Winter vegetable crops diseases | | |
| **6.** | Discuss the diseases of some medicinal plants you have studied | | |
| **7.** | Write an account on Integrated Pest Management applications in horticultural crops | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Citronella | |
|  | **b)** | Cashew | |
|  | **c)** | Baculovirus | |
|  | **d)** | Pesticides | |
|  | **e)** | Diseases of Coconut | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – IV** | | | |
| **PAPER CODE: 402:** **POST HARVEST TECHNOLOGY OF HORTICULTURAL CROPS (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write about different packaging materials used in storing and transport of horticultural crops | | |
| **2.** | Describe different techniques used to reduce post harvest losses in horticultural crops | | |
| **3.** | Write an essay on low temperature storage, controlled atmospheric storage & hypobaric storage | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Application of hormones on ripening of fruits | |
|  | **b)** | Ripening process in fruits | |
|  | **c)** | Use of fungicides during storage & transport | |
|  | **d)** | Pre harvest factors affecting storage life of fruits | |
|  | **e)** | Phenolic compounds | |
| **5.** | Write the chemicals used for hastening and delayed ripening | | |
| **6.** | Explain the factors affecting ripening of fruits | | |
| **7.** | Write various maturity indices of vegetables and fruits | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Export packing technology | |
|  | **b)** | Cushioning material used in packing | |
|  | **c)** | Specific packing for export of Mango | |
|  | **d)** | Specific packing for export of Cut flowers | |
|  | **e)** | Gladiolus packing | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – IV** | | | |
| **PAPER CODE: 403:** **PRINCIPLES OF FRUIT AND VEGETABLES PRESERVATION (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | Write in detail about the process of preservation of fruits and vegetables through dehydration, drying and freezing | | |
| **2.** | Discuss about spoilage of canned products | | |
| **3.** | Discuss about principles of preservation of fruits and vegetables by heat, low temperature and chemical methods | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Microbiological spoilage of canned products | |
|  | **b)** | Colours permitted and prohibited in India | |
|  | **c)** | Different kinds of equipments used in processing of fruits and vegetables for preservation | |
|  | **d)** | Hydrogen swells | |
|  | **e)** | Biochemical changes associated with spoilage of canned products | |
| **5.** | Write about the process of canning in preservation of fruits and vegetables | | |
| **6.** | What is preservative? Write about the preservatives that are permitted and prohibited in India | | |
| **7.** | Write about preparation of jams and jellies | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Preparation of chutneys | |
|  | **b)** | Preservatives permitted and prohibited in India | |
|  | **c)** | Preparation of crystallized and glazed fruits | |
|  | **d)** | Preparation of syrups | |
|  | **e)** | Preparation of juices | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Question Paper** | | | |
| **M.Sc., Horticulture and Landscape Management : Semester – IV** | | | |
| **PAPER CODE: 404:** **RECENT ADVANCES IN HORTICULTURE (Effective from the Admitted Batch of 2017-2018)** | | | |
| **Time: Three Hours** | | | **Maximum Marks: 80** |
| **Answer any Five of the Following**  **All Questions carry equal Marks** | | | |
| **1.** | What is organic matter? Write a note on benefits of Soil Organic matter | | |
| **2.** | What is Bonsai? Describe different kinds of group Plantings in Bonsai | | |
| **3.** | Write the basic characteristics of earthworms that are used in Vermiculture | | |
| **4.** | Write critical notes on **Four** of the following | | |
|  | **a)** | Green Manuring | |
|  | **b)** | Sprinkler | |
|  | **c)** | Pot Pourri | |
|  | **d)** | Honey extraction | |
|  | **e)** | Apiculture | |
| **5.** | Describe in detail about terrarium culture | | |
| **6.** | Describe the equipment used in Apiculture with suitable diagrams. | | |
| **7.** | Write an essay on dehydration of flower foliage | | |
| **8.** | Answer any **Four** of the following | | |
|  | **a)** | Objectives of watershed Management | |
|  | **b)** | Training in Bonsai | |
|  | **c)** | Principle of flower arrangement | |
|  | **d)** | Ikebana | |
|  | **e)** | Vermi composting Material | |