

CUET PG 2025 HORTICULTURE Question Paper

Time Allowed :1 Hour 30 Mins	Maximum Marks :300	Total Questions :75
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. The examination duration is 90 minutes. Manage your time effectively to attempt all questions within this period.
2. The total marks for this examination are 300. Aim to maximize your score by strategically answering each question.
3. There are 75 mandatory questions to be attempted in the Agro forestry paper. Ensure that all questions are answered.
4. Questions may appear in a shuffled order. Do not assume a fixed sequence and focus on each question as you proceed.
5. The marking of answers will be displayed as you answer. Use this feature to monitor your performance and adjust your strategy as needed.
6. You may mark questions for review and edit your answers later. Make sure to allocate time for reviewing marked questions before final submission.
7. Be aware of the detailed section and sub-section guidelines provided in the exam. Understanding these will aid in effectively navigating the exam.

1. Arrange the following vegetables in increasing order of their production based on Area and Production Estimates of Horticulture Crops 2021-22 (Final) -

- (A). Bitter gourd
- (B). Cabbage
- (C). Cucumber
- (D). Cauliflower

Choose the correct answer from the options given below:

- (A) (A), (C), (D), (B).
- (B) (A), (B), (C), (D).
- (C) (B), (C), (A), (D).
- (D) (C), (B), (D), (A).

2. Lalbagh Garden is situated at

- (A) Bengaluru
 - (B) Mysore
 - (C) Srinagar
 - (D) Chandigarh
-

3. 'Pinjore Garden' in Chandigarh is a beautiful example of

- (A) Rock Garden
 - (B) Terrace Garden
 - (C) Bog Garden
 - (D) Water Garden
-

4. Cacti and Succulents are suitable for

- (A) Water Garden
 - (B) Bog Garden
 - (C) Rock Garden
 - (D) Terrace Garden
-

5. 'Water garden with fountains' is a special feature of

- (A) Mughal Garden
 - (B) Rock Garden
 - (C) French Garden
 - (D) English Garden
-

6. The quickest method of developing lawn is

- (A) By seed sowing
 - (B) By dibbling method
 - (C) Turfing
 - (D) By turf plastering
-

7. In Controlled Atmospheric Storage, oxygen and carbon dioxide gases are maintained as

- (A) Low concentration of oxygen and high concentration of carbon dioxide
 - (B) High concentration of oxygen and low concentration of carbon dioxide
 - (C) Low concentration of oxygen and low concentration of carbon dioxide
 - (D) High concentration of oxygen and high concentration of carbon dioxide
-

8. On the basis of ripening behaviour, choose the non climacteric fruits

- (A). Litchi
- (B). Grape
- (C). Jackfruit
- (D). Pineapple

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (A), (B), (C) and (D).
 - (D) (B), (C) and (D) only.
-

9. Arrange the following fruits in decreasing order of their area of cultivation based on Area and Production estimates of Horticulture Crops 2021-22 (Final) -

- (A). Pomegranate
- (B). Pineapple
- (C). Plum
- (D). Papaya

Choose the correct answer from the options given below:

- (A) (A), (B), (C), (D).
 - (B) (A), (D), (B), (C).
 - (C) (B), (A), (D), (C).
 - (D) (C), (B), (D), (A).
-

10. Based on botanical relationships, choose the correct combinations

- (A). Apocynaceae- Aonla
- (B). Rosaceae- Loquat
- (C). Tiliaceae- Phalsa
- (D). Myrtaceae- Jamun

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
- (B) (A), (B) and (C) only.
- (C) (A), (B), (C) and (D).

(D) (B), (C) and (D) only.

11. In plant cells, the cell wall has abundance of which polysaccharide?

- (A) Chitin
 - (B) Cellulose
 - (C) Starch
 - (D) Glycogen
-

12. Based on the growing season, choose the correct combinations

- (A). Summer season- Kochia
- (B). Winter season- Petunia
- (C). Summer season- Gaillardia
- (D). Winter season- Balsam

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (A), (B), (C) and (D).
 - (D) (B), (C) and (D) only.
-

13. Based on growth behavior, choose the correct combinations

- (A). Tree- Vanilla
- (B). Shrub- Tea
- (C). Vine- Black pepper
- (D). Tree- Nutmeg

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (A), (B), (C) and (D).
 - (D) (B), (C) and (D) only.
-

14. Choose the correct combination based on nutrient availability

- (A). Protein- Almond
- (B). Carbohydrate- Apricot
- (C). Fibre- Guava
- (D). Fat- Papaya

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (A), (B), (C) and (D).
 - (D) (B), (C) and (D) only.
-

15. Which fruit plant is suitable for the arid conditions?

- (A) Ber
 - (B) Guava
 - (C) Papaya
 - (D) Banana
-

16. Pineapple is a

- (A) C3 Plant
 - (B) C2 Plant
 - (C) C4 Plant
 - (D) CAM Plant
-

17. Strawberry is a typically

- (A) Short day plant
 - (B) Long day plant
 - (C) Day neutral plant
 - (D) CAM Plant
-

18. On the basis of fruit, choose the correct combination

- (A). Pome- Quince
- (B). Berry- Guava
- (C). Syconium-Fig
- (D). Stone- Litchi

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
- (B) (A), (B) and (C) only.
- (C) (A), (B), (C) and (D).

(D) (B), (C) and (D) only.

19. Tomb or Mosque are the main feature of

- (A) Mughal Garden
 - (B) Japanese Garden
 - (C) English Garden
 - (D) French Garden
-

20. Rock Garden is situated in

- (A) Srinagar
 - (B) Vadodra
 - (C) Coimbatore
 - (D) Chandigarh
-

21. Persian gardens are based on the idea of

- (A) Heaven
 - (B) Life
 - (C) God
 - (D) Dream
-

22. Wastage of fresh fruits and vegetables is estimated to be to the extent of

- (A) 5-10%
 - (B) 20-25%
 - (C) 40-45%
 - (D) 50-60%
-

23. Pre-cooling of fruits and vegetables is generally done to

- (A) Value addition
- (B) Remove field heat
- (C) Kill pathogens

(D) Remove moisture

24. Maleic hydrazide is used to

- (A) Enhance ripening
 - (B) Control sprouting
 - (C) Enhance maturity
 - (D) Value addition
-

25. Vapour heat treatment given to mango fruits controls the

- (A) Mango hopper
 - (B) Mango mealy bug
 - (C) Mango fruit fly
 - (D) Mango stem borer
-

26. In hypobaric storage, the produce is stored under

- (A) High pressure atmosphere
 - (B) Low temperature atmosphere
 - (C) Low pressure atmosphere
 - (D) High temperature atmosphere
-

27. Zero Energy Cool Chamber is based on the principal of

- (A) Evaporative temperature
 - (B) Evaporative cooling
 - (C) High pressure temperature
 - (D) Low pressure cooling
-

28. Firmness of fruit during storage

- (A) Increases
- (B) Reduces
- (C) No change in firmness

(D) Increases and reduces both

29. Which of the following hormones increases the respiration rate during storage?

- (A) GA₃
 - (B) Cytokinin
 - (C) IBA
 - (D) Ethylene
-

30. Ethylene absorbent used during storage is

- (A) CaCl
 - (B) CaCO
 - (C) KMnO
 - (D) NH
-

31. High humidity in storage can be reduced by keeping

- (A) CaCl₂
 - (B) KMnO₄
 - (C) KNO₃
 - (D) Urea
-

32. Sodium benzoate is used for

- (A) Value addition
 - (B) Preservation
 - (C) Fortification
 - (D) Control of diseases
-

33. Match List-I with List-II

List-I Variety	List-II Crop
(A). Vengurla	(I). Tea
(B). Shinghara	(II). Cashew
(C). Arka Sahan	(III). Aonla
(D). Chakaiya	(IV). Custard Apple

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
 (B) (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
 (C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
 (D) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

34. Match List-I with List-II

List-I Constituents	List-II Crops
(A). Beta Carotene	(I). Fig
(B). Ascorbic Acid	(II). Mango
(C). Riboflavin	(III). Bael
(D). Niacin	(IV). Barbados Cherry

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
 (B) (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
 (C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
 (D) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

35. Match List-I with List-II

List-I Physiological disorders	List-II Deficiency / Toxicity
(A). Blossom end rot	(I). B deficiency
(B). Fruit cracking	(II). Ca deficiency
(C). Interveinal chlorosis	(III). Cl toxicity
(D). Leaf scorching	(IV). Mg deficiency

Choose the correct answer from the options given below:

- (A) (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
 (B) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
 (C) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

(D) (A) - (III), (B) - (II), (C) - (I), (D) - (IV)

36. Match List-I with List-II

List-I Root stock	List-II Characteristics
(A). M-9	(I). Frost resistant
(B). BUD 9	(II). Woolly aphid resistant
(C). M-27	(III). Compatible with all apple scions
(D). MM-106	(IV). Ultra dwarf

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
(B) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
(C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
(D) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

37. Match List-I with List-II

List-I Use of PBR/ Chemical	List-II Name of PBR/ Chemical
(A). Rooting of cuttings	(I). Acid treatment
(B). Seed scarification	(II). BA+ Beta NOA
(C). Parthenocarpy in Mango	(III). IBA
(D). Induction of flowering in Pineapple	(IV). Ethephon

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
(B) (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
(C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
(D) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

38. Match List-I with List-II

List-I PGR	List-II Practical utility
(A). Auxins	(I). Fruit ripening
(B). Gibberellins	(II). Root induction
(C). Cytokinin	(III). Germination
(D). Ethephon	(IV). Shoot proliferation

Choose the correct answer from the options given below:

- (A) (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
 - (B) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
 - (C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
 - (D) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
-

39. What is the descending order of rate of respiration in following vegetables?

- (A). Bean
- (B). Onion
- (C). Asparagus
- (D). Beet

Choose the correct answer from the options given below:

- (A) (A), (B), (C), (D).
 - (B) (A), (C), (B), (D).
 - (C) (B), (A), (D), (C).
 - (D) (C), (A), (D), (B).
-

40. Demography is the study of factors that affect _____ and _____ patterns.

- (A) Population density, dispersion
 - (B) Population size, dispersion
 - (C) Population density, distribution
 - (D) Population size, distribution
-

41. Arrange the following disease causing agents in order of their discovery

- (A). *Yersinia pestis* (Plague)
- (B). *Salmonella typhi* (Typhoid fever)
- (C). *Treponema pallidum* (Syphilis)
- (D). *Clostridium tetani* (Tetanus)

Choose the correct answer from the options given below:

- (A) (A), (B), (C), (D).
 - (B) (A), (C), (B), (D).
 - (C) (B), (D), (A), (C).
 - (D) (C), (B), (D), (A).
-

42. Which of the following statements is true regarding drying and dehydration of fruits and vegetables?

- (A). Freeze drying is not covered under the methods of preservation of fruits and vegetables by drying or dehydration.
- (B). Microorganisms and enzymes need water in order to be active.
- (C). Dried, dessicated or low moisture foods are the traditional dried foods
- (D). Intermediate moisture or IM foods contain between 15% to 50% moisture.

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (A), (C) and (D) only.
 - (D) (B), (C) and (D) only.
-

43. Which of the following is NOT a component of the Endomembrane system?

- (A) Golgi apparatus
 - (B) Endoplasmic reticulum
 - (C) Lysosome
 - (D) Mitochondrion
-

44. Honey bees are efficient pollinators because of following characters

- (A). It does not have a hairy body and is smooth and waxy
- (B). They adapt themselves to different climates
- (C). Length of proboscis is suitable for many crops
- (D). Body parts are modified to pick up pollen

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
 - (B) (A), (B) and (C) only.
 - (C) (B), (C) and (D) only
 - (D) (A), (C) and (D) only.
-

45. Which of the following is considered as the main disadvantage in the application of remote sensing methods?

- (A) It saves time and manpower as larger area can be covered
- (B) It provides only a synoptic overview or bird's eye view of a larger area
- (C) It cannot provide all the information needed for any scientific study
- (D) The collection and interpretation is expensive

46. For the examination of microbial cells we require the use of?

- (A) High-power microscope
- (B) Low-power microscope
- (C) High-power microscope at a magnification of about 1,000 X
- (D) Low-power microscope at a magnification of about 1,000 X

47. Arrange the following stages in Remote Sensing Data Acquisition in correct sequence

- (A). Extraction of the information contents from the data products and conversion of information into various forms
- (B). Propagation of reflected/emitted energy through the atmosphere and detection of the reflected/emitted energy by the sensor
- (C). Source of energy and transmission of energy from the source to the surface of the earth
- (D). Conversion of energy received into photographic/digital form of data

Choose the correct answer from the options given below:

- (A) (C), (B), (D), (A).
- (B) (C), (A), (B), (D).
- (C) (C), (D), (A), (B).
- (D) (D), (C), (B), (A).

48. On the basis of the size of the waves and frequency, arrange the following energy waves in correct sequence in Electromagnetic Spectrum.

- (A). Infrared rays
- (B). Microwaves, Radio waves
- (C). Gamma rays, X-rays
- (D). Ultraviolet rays, Visible rays

Choose the correct answer from the options given below:

- (A) (C), (A), (D), (B).
- (B) (C), (D), (A), (B).
- (C) (C), (B), (D), (A).
- (D) (D), (C), (A), (B).

49. Match List-I with List-II

List-I	List-II
(A). Population size	(I). It refers to how many individuals reside in a particular area
(B). Population density	(II). It yields helpful information about how species interact with each other
(C). Population distribution	(III). It represents the total number of individuals in a habitat
(D). Population dispersion	(IV). It describes how individuals of a species are spread out, whether they are close to each other or far apart, or clustered into groups

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
 (B) (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
 (C) (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
 (D) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

50. Two important characteristics for estimating any population of animals and plants are _____ and _____ of individuals.

- (A) Density, dispersion
 (B) Density, size
 (C) Density, distribution
 (D) Dispersion, distribution

51. Which eukaryotic cell-cycle event is missing in Binary Fission?

- (A) Cell growth
 (B) DNA duplication
 (C) Cytokinesis
 (D) Mitosis

52. Which of the following statements is NOT correct?

- (A) All organisms are composed of one or more cells
 (B) Cytotechnologists study cells
 (C) New cells arise from existing cells
 (D) Viruses display all the properties of life outside of a host cell

53. The difficulties encountered in a roof garden are as follows

- (A). Soil depth is limited
 (B). Large trees and shrubs can be grown with greater ease than any other garden

(C). Drainage needs to be ensured

(D). Frequent watering is required

Choose the correct answer from the options given below:

(A) (A), (B) and (D) only.

(B) (A), (B) and (C) only.

(C) (A), (C) and (D) only.

(D) (B), (C) and (D) only.

54. Which of the following organelles is most likely to aid in the digestion of food particles?

(A) Rough endoplasmic reticulum

(B) Nucleus

(C) Lysosome

(D) Ribosome

55. Which of the following organelles are NOT present in plant cells?

(A) Peroxisomes

(B) Golgi apparatus

(C) Smooth endoplasmic reticulum

(D) Lysosome

56. Which microbiologist made first simple microscope to see the presence of tiny living organisms present in pond water?

(A) Antonie van Leeuwenhoek

(B) Zaccharias Janssen

(C) Robert Hooke

(D) Robert Brown

57. Which of the fixatives is NOT used for sample preparation in TEM?

(A) Formaldehyde

(B) Glutaraldehyde

(C) Osmium tetroxide

(D) Coating with gold and palladium

58. Negative staining method is used for examining very small objects. It is generally used in -----

- (A) TEM
- (B) SEM
- (C) Confocal Microscopy
- (D) ESEM

59. The change of source of illumination from light to electrons significantly improved the ----- of the microscope.

- (A) Resolving power
- (B) Resolution
- (C) Numerical aperture
- (D) Magnification

60. Arrange the following in the order of their occurrence in TCA cycle

- (A). Isocitric Acid
- (B). Citric Acid
- (C). Fumaric Acid
- (D). Malic Acid

Choose the correct answer from the options given below:

- (A) (B), (A), (C), (D).
- (B) (A), (B), (D), (C).
- (C) (B), (A), (D), (C).
- (D) (C), (B), (D), (A).

61. Arrange the following spices in increasing order of their production based on Area and Production estimates of Horticulture Crops 2021-22 (Final) -

- (A). Turmeric
- (B). Tamarind
- (C). Garlic
- (D). Coriander

Choose the correct answer from the options given below:

- (A) (B), (D), (A), (C).
- (B) (D), (B), (A), (C).
- (C) (B), (D), (C), (A).
- (D) (D), (B), (C), (A).

62. Arrange the following Citrus fruits in increasing order of their area of cultivation based on Area and Production estimates of Horticulture Crops 2021-22 (Final) -

- (A). Lime/Lemon
- (B). Mandarin
- (C). Sweet Mosambi
- (D). Other Citrus

Choose the correct answer from the options given below:

- (A) (D), (C), (A), (B).
- (B) (C), (D), (B), (A).
- (C) (B), (A), (D), (C).
- (D) (C), (B), (D), (A).

63. Sapota fruits are highly perishable and ripen within 5-7 days.

- (A). Sapota is a climacteric fruit
- (B). Fruits of sapota can be harvested at physiological maturity
- (C). Sapota can be ripened artificially for use as table fruit
- (D). Sapota can be stored in a refrigerator for nearly six months

Choose the correct answer from the options given below:

- (A) (A), (B) and (D) only.
- (B) (A), (B) and (C) only.
- (C) (B), (C) and (D).
- (D) (A), (C) and (D) only.

64. Which of the following is a hybrid guava with pink flesh used for table as well as processing purpose?

- (A) Arka Anmol
- (B) Lucknow 49
- (C) Shweta
- (D) Arka Kiran

65. Recommended for loose flower as well as perfumery, Prajwal is a variety of which of the following flowers?

- (A) Tuberose
 - (B) Rose
 - (C) Marigold
 - (D) Jasminum
-

66. Which of the following is the type of fruit in *Pyrus communis* or European Pear ?

- (A) Berry
 - (B) Hesperidium
 - (C) Pome
 - (D) Drupe
-

77. Name of the self-incompatible cultivar of apricot, which requires a pollinizer for commercial cultivation.

- (A) Halman
 - (B) Nari
 - (C) Charmagz
 - (D) Turkey
-

78. Which of the following is a critical parameter for drought tolerance in dryland fruits?

- (A) Large stomata
 - (B) Shallow root system
 - (C) Large sized leaves
 - (D) Short duration varieties
-

79. The bitter component in *Momordica charantia* is

- (A) Betain
- (B) Melanin
- (C) Cucurbitacin

(D) Bromellin

80. Match List-I with List-II

List-I	List-II
(A). Feronia limonia	(I). Temperate nut
(B). Prunus amygdalus	(II). Plantation crop
(C). Sechium edule	(III). Dryland fruit
(D). Cocos nucifera	(IV). Cucurbitaceous vegetable

Choose the correct answer from the options given below:

- (A) (A) - (III), (B) - (II), (C) - (I), (D) - (IV)
(B) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
(C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
(D) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

71. What is the inflorescence found in banana known as?

- (A) Spadix
(B) Panicle
(C) Spike
(D) Solitary

72. Match List-I with List-II

List-I	List-II
(A). Thalamus contributes to fruit formation	(I). Tomato
(B). Ovary forms fruit	(II). Banana
(C). Fruit develops without fertilisation	(III). Pineapple
(D). Fruit develops from inflorescence	(IV). Apple

Choose the correct answer from the options given below:

- (A) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
(B) (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
(C) (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
(D) (A) - (IV), (B) - (III), (C) - (I), (D) - (II)

73. Arrange the following in the correct sequence

- (A). Inability of different plants to unite successfully when grafted is termed incompatibility
(B). Unrelated plants grafted together are likely to be incompatible

(C). Such plants gradually develop distress symptoms like stunted growth, etc.
(D). This may be due to abnormal growth at the graft union
Choose the correct answer from the options given below:

- (A) (C), (B), (A), (D).
- (B) (A), (B), (C), (D).
- (C) (B), (A), (D), (C).
- (D) (A), (D), (C), (B).

74. All fruit, vegetable as well as flowers have to go through a certain stage of growth and maturity in their life cycle before they can reproduce sexually. This stage is known as

- (A) Precocious phase
- (B) Reproductive phase
- (C) Flowering phase
- (D) Juvenile phase

75. Match List-I with List-II

List-I	List-II
(A). Autogamy	(I). Oxalis
(B). Cleistogamy	(II). Garden pea
(C). Dichogamy	(III). Date palm
(D). Allogamy	(IV). Avocado

Choose the correct answer from the options given below:

- (A) (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- (B) (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
- (C) (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- (D) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)