

University of Horticultural Sciences, Bagalkot---College of Horticultural, Munirabad
ICAR-JRF Mock test -4 (Vegetable Science -Hand Book of Horticulture)
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All the Best ...

Say
Lobi

- Agathi is used as ^(S. grandiflora) a. Food b. Ornamental c. Fodder d. All
- Agathi is grown for a. Shade tree for young coconut seedlings b. Wind break for banana plantations c. Fiber & Gum d. All
- Agathi is grown best in a. Sandy soil b. Sandy loamy c. Black cotton soil d. Any soil
- Agathi is propagated by a. Seed b. Cuttings c. Succor d. Runners
- Agathi is rich in a. Vitamin A b. Vitamin B c. Vitamin C d. Vitamin E
- Amaranth is a a. C₃ Plant b. C₄ Plant c. CAM Plant d. Non
- Recommended seed rate for amaranth is (in kg) a. 0.5-1 b. 1-1.5 c. 1.5-2 d. 2-2.5
- Amaranth is a a. Self pollinated crop b. Cross pollinated crop c. Often self pollinated crop d. Both self & cross pollinated crop
 By wind.
- Amaranth seedlings grown for commercial purpose are often uprooted after 3-4 weeks of sowing
 a. 3-4 b. 4-5 c. 5-6 d. 6-7
- The isolation distance for seed production of amaranth is cultivar a. 100m. b. 200m. c. 300m d. 400m
- Spraying of Ethepon in cucurbits helps in a. Increase production of male flowers b. Increase male & female flowers ratio c. Increase production of female flowers d. Induces early flowering
- Beet root is generally considered as a a. Cool weather crop b. Warm weather crop c. Mountainous crop d. Desert crop
- The ideal spacing (cm) for beet root is a. 30x30 b. 45x45 c. 60x60 d. 75x75
- High disease incidence a. Hairy & forked root b. Excess vegetative growth c. All the above d. None of the above
- In beet root cultivation, if soil dries & water is added it causes a. Root rot b. Root knot c. Root withering d. All the above
- For cultivation of beet root, the soil temperature should be above 40°C, it results in a. Root rot b. Root knot c. Root withering d. All the above
- Which of the following is not a utility from bottle gourd? a. Arka Harit b. Preethi c. Priya d. Pusa kirti
- Which of the following is not a utility from bottle gourd? a. Cooking oil b. Fishing net c. Preparation of musical instrument d. Pesticide
- Bottle gourd variety tolerant to Cucumber Mosaic Virus is a. Punjab komal b. Pusa manjari c. Arka Bahar d. Pusa meghdud
- In bottle gourd, the rows of female & male parents are kept in the ratio of a. 2:1 or 3:1 b. 3:1 or 4:1 c. 4:1 or 5:1 d. 5:1 or 6:1
- The exact edible harvesting index for bottle gourd is a. Skin start becoming white b. Fruit rind hardens c. Shedding of small hairs present on the skin d. Seed coat become hard
- The optimum temperature for cultivation of brinjal is a. 15°-25°c b. 20°-30°c c. 25°-35°c d. 30°-35°c
- The recommended seed rate for brinjal one hectare area is a. 100 gm b. 200 gm c. 300gm d. 400gm
- The popular broccoli type in India is a. Heading type b. Sprouting type c. Spreading type d. Non heading type
- Whip tail of broccoli is due to deficiency of a. Boron b. Zinc c. Iron d. Molybdenum
- Browning of head in broccoli results due to deficiency of a. Boron b. Zinc c. Iron d. Molybdenum
- In Brussels sprout, the rise in temperature results in a. Loose sprout b. Elongated sprout c. Sprout with poor flavor d. All
- Best suited soil for cultivation of Brussels sprout is a. Sandy soil with 7-7.8 pH b. Sandy loam with 7-7.8 pH c. Sandy loam with 6-6.8 pH d. Clay soil with 7.5-8.5 pH
- Propagation of Brussels sprout is done by a. Seeds b. Cuttings c. Tissue culture d. All
- Higher dose of nitrogen fertilizer application in Brussels sprout causes a. Loose sprouts b. Bitter sprout c. Tight sprouts d. Sweet sprout
- Excessive SO₄ based fertilizer and excess K results in ___ sprout a. Loose b. Bitter c. Tight d. Sweet

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pointed } 15:1
cucumber } Fe M

Harka Harit } Bitter sprout
Kankam far } capostanding

other var

1st - cauliflower 4th - cabbage } grown in
2nd - onion } highest area

Cabbage is not a rich source of a. Vitamin A b. Vitamin B c. Vitamin C d. Vitamin E

Cabbage covers about _____ % of total area under vegetable a. 2 b. 4 c. 6 d. 8

The optimum seed germination temperature ($^{\circ}\text{C}$) in cabbage is a. 8.8-10.6 b. 12.8-15.6 c. 10.8-15.6 d. 5.8-10.6

Cabbage variety resistant to black rot is (UPSC 2002) a. Pusa Mukta b. Pride of India c. Golden Acre d. Red cabbage

HYV of cabbage recommended for Nilgiri Hills is a. September b. October c. November d. December

Cabbage is stored at (in $^{\circ}\text{C}$ & %RH) a. -1 to -1.7 b. -2 to -2.7 & 90-95% c. 0 to 1.7 & 85-87% d. 1 to 2.7 & 87-90%

In cabbage, excess of N along with intermittent water stress can result in a. Blossom end rot of fruits b. Mosaic of leaf c. Excess vegetative growth d. Poor quality of fruits

Root pruning during cultivation of capsicum can result in a. Blossom end rot of fruits b. Mosaic of leaf c. Vegetative growth d. Poor quality of fruits (vegetal) (paranatal)

The seed rate of carrot per hectare is a. 5-6 kg b. 7-8 kg c. 2-3 kg d. 4-5 kg (tainip)

Splitting/cracking of carrot roots is not due to a. Excess N b. Wider spacing c. Planting time d. Genetic factors

The most popular vegetable among Colc crops is a. Cabbage b. Cauliflower c. Brussels sprout d. Broccoli

Botanically the edible part (curd) in cauliflower that is a a. Prefloral fleshy apical meristem b. Postfloral fleshy apical meristem c. Modified stem and leaf tissue d. Preleaf bud parenchyma tissue

Pick the false statement regarding cauliflower cultivation a. It can grow at an average temperature of $5-8^{\circ}\text{C}$ to $25-28^{\circ}\text{C}$ b. Deep loam soils are ideal c. Sensitive to high acidity d. Optimum pH is 7.5-8.5

Harvesting index for cauliflower is a. Compact curd b. Proper size of curd c. Retain original colour d. All

Method to protect curds from attaining yellow colour after direct exposure to sun in cauliflower is a. Bleaching

b. Blanching c. Blonching d. Blenching

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57. Celery is stored at ($^{\circ}\text{C}$ & %RH) a. 0° at 95-98% b. 1°C at 95-98% c. 0°C at 90-95% d. 1°C at 90-95% (celery)

58. Celery should be stored in an isolated place because a. To avoid mold growth b. Absorbs other flavor c. To keep texture d. All

59. Perennial Chili variety characterized by small sized pods & high pungency is a. *Capsicum annuum* (Annual chili) b. *C. frutescens* c. *C. davens* d. *C. chillensis*

60. Whitish necrotic spots dispersed over entire lamina in the older leaves is a characteristic symptom of a. Fungal disease b. Bacterial disease c. K deficiency d. All

61. Cucumber is a native to a. Iran b. India c. Indonesia d. Israel

62. Cucumber is a. Psycryophilic & frost resistant b. Thermophilic & frost resistant c. Thermophilic & frost susceptible d. Psycryophilic & frost susceptible

63. Cucumber variety resistant to downy mildew, powdery mildew, anthracnose and angular leaf spot is a. Himangi b. Poinsett c. Pusa Sanyog d. Sheetal

64. Highest yield can be produced by providing spacing (cm) a. 100x 60 b. 100x 100 c. 60 x 120 d. 120 x 60

65. For edible Cucumber, which is not a proper harvesting index [UPSC 2010] a. Before dark green skin colour turns brownish yellow b. White spine colour c. Carpel separation in transverse section of fruit d. All None

66. French bean is a _____ vegetable a. Cool season b. Warm season c. Frost tolerant d. All season vegetable

67. Optimum air & soil temperature for cultivation of French bean respectively is a. 20-25 $^{\circ}\text{C}$ & 18-24 $^{\circ}\text{C}$ b. 18-24 $^{\circ}\text{C}$ & 20-25 $^{\circ}\text{C}$ c. 18-20 $^{\circ}\text{C}$ & 24-25 $^{\circ}\text{C}$ d. 24-25 $^{\circ}\text{C}$ & 18-20 $^{\circ}\text{C}$

Psychrophilic - Grown in low temp.

Cucumber }
Pusa sanyog }
Japanese long green }
Himangi }
Sheetal }

- French bean variety with white seeds is Lakshmi ^{Mutah breeding} Pusa Parvati Arka komal Premier (Black ch seed)
69. Application of GA₃ (50ppm) on 30 days old French bean plant is effective in increasing a. plant height b. Number of leaves c. Pod yield d. All
70. Flooding in French bean results in a. Root rot ^(Anoxy) b. Deformed pods c. Excess foliage d. All
71. Critical period for irrigation in French bean is a. Pre blooming b. Flowering c. Pod filling stage d. All
72. The optimum storage & transit temperature for French bean is a. 1-3°C b. 3-5°C c. 5-7°C d. 7-9°C (tomato temp)
73. Small and misshaped pod in French bean is due to a. irrigation imbalance b. sub optimal temperature c. Nutritional deficiency d. Unknown factor
74. Necrosis of hypocotyls in French bean associated with low content of a. Ca b. Mg c. Fe d. K
75. Garlic crop should not be weeded out or hoed at a later stage because a. It's a waste of money b. It may damage the stem c. Weeds act as mulching d. All
76. Garlic harvesting index is a. Tops turn yellowish b. Tops show sign of drying up c. Tops start bending over d. All
77. Rubberization is a physiological disorder in a. onion b. Garlic c. Cole crops d. Cucurbits due to Moisture imbalance
78. The edible part in knol-khol is a. Rhizome b. Tuber c. Curd d. leaves
79. Long oval shaped knobs of knoll-khol is formed due to a. Low temperature b. High temperature c. Excess of N & P fertilizers d. Lack of N & P is soil (Anthracnose)
80. Anthocyanin pigmentation on knob/plant of knol-khol occurs due to a. Low temperature b. Frosting c. Lack of N & P in soil d. All

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81. Hot water treatment (50°C) for half an hour is given to knol-khol seed to prevent a. Black rot b. Downy mildew c. Powdery mildew d. Nematodes
82. Bolting of lettuce is due to a. Lack of light b. High temperature c. Excess N & P d. All
83. Lettuce is rich in a. Vitamin A b. Vitamin B c. Minerals d. All (in lettuce & root)
84. Bolting of lettuce is due to a. Low temperature b. High temperature c. Low sunlight d. High N & P
85. Dormant seed breaking seed dormancy is a. 2-3°C for 3-4 days b. 1-2°C for 1-2 days c. 1-2°C for 3-4 days d. Non
86. The variety resistant to yellow vein mosaic is a. Arka Abhay b. Arka Anamika c. Red bhendi d. MDU 1
87. Okra variety which is day neutral and less sensitive to temperature fluctuations is a. Pusa Sawani b. Pusa Mukhrifali c. Arka Anamika d. Arka Abhay ^(Bolting) ^{excellent keeping quality}
88. Small sized bulb in onion is due to a. Low temperature b. High temperature c. Poor fertility d. Less moisture
89. Water is critical requirement in onion at the time of a. Germination b. Vegetative growth c. Bulb formation d. All
90. Purple blotch of onion is due to a. Low temperature b. High temperature c. Poor fertility d. Excessive moisture
91. Critical stage for moisture in pea is a. Flowering stage b. Pod filling stage c. Vegetative growth d. All
92. Printed gourd is propagated through a. Vine cuttings ^(Commercially) b. Seeds c. Root suckers d. All
93. Pointed gourd is not preferred to propagate through seeds because a. Plants raised from seeds are weak b. Produce small leaves c. takes long time to fruit d. All
94. Pusa kesar is a variety of a. Carrot b. Chilli c. Capsicum d. Onion
95. Which of the following crop contains high iodine content a. Okra b. Brinjal c. Tomato d. Drum stick

98. Match

Sl. No.	Chilli varieties		Important Character	Answer
1	Pusa Sadabahar	a.	Resistant to CMV, TMV, leaf curl virus	1
2	Pant CI	b.	Tolerant to mosaic & leaf curl virus	2
3	NP 46A	c.	Tolerant to thrips, (S) ulral.	3
4	Muralwadi	d.	Tolerant to die back and powdery mildew	4
5	Ujjwala	e.	Resistant to bacterial wilt	5
6	Jawahar 218	f.	Tolerant to leaf curl & fruit rot	6

99. Match

Sl No.	French bean variety	Character

CCC, 400ppm - early flowering & yield ↑ in French Bean

1	Pusa parvati	a	Mosaic & powdery mildew resistant	2-5
2	SVM 1	b	Angular leaf spot resistant	4
3	Jampa	c	Wilt resistant	3
4	Lakshmi	d	Tolerant to angular leaf spot	2
5	contender	e	Tolerant to powdery mildew & mosaic	1

Q1). Match the following physiological disorders in Cauliflower /

Sl no.	Physiological disorder		Cause	Answer
1	Whip tail	a	Mo	1
2	Browning	b	B	2
3	Chlorosis	c	Mg	3
4	Buttoning	d	N	4
5	Leafy curd	e	Temperature	5

Q2). Match

Sl no.	Cole crop		Scientific name	Answer
1	Broccoli	a	Brassica oleracea var botrytis	2
2	Cabbage	c	Brassica oleracea var capitata	1
3	Brussels sprout	d	Brassica oleracea var gemmifera	3
4		e	Brassica oleracea var caulorapa	4

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Protein - Agetli.
 Folic acid - Amaranthus.
 P - Garlic
 Ca - curly leaf

CHO = Callau; Sweet potato.
 Moisture = Ash / max good.
 Fat = chatrummaria
 Calorie = Garlic (142) - subject.