

JRF MOCK TEST-2010

Q.1 Which vegetable crop having highest calorific value ?

- 1) Potato
2) Sweet Potato
3) Tapioca
4) Pea

Q.2 Inflorescence found in Cabbage ?

- 1) Penicle
2) Raceme
3) Spadix
4) Catkin

Q.3 Which one spp. of tomato having resistance against Fusarium Wilt ?

- 1) *L. pimpnefolium*
2) *L. peruvianum*
3) *L. globaratum*
4) All of these

Q.4-10 Match the column.

4) *Ipomoea batatas*

a) $2n=4x=32$ (7)

5) *Colocasia esculenta*

b) $2n=18$ (9)

6) *Solanum tuberosum*

c) $2n=28$ (3)

7) *Allium porum*

d) $2n=6x=90$ (4)

8) *Manihot esculenta*

e) $2n=4x=48$ (6)

9) *Basella rubra*

f) $2n=14$ (10)

10) *Cyamosis tetragonolobus*

g) $2n=24$ (5)

Q.11 Which crop having Gametophytic type self-incompatibility ?

- 1) Radish
2) Tomato
3) Turnip
4) Cole crops

Q.12-17 Match the column.

12) Dimethyl pyrazine

a) Water melon (16)

13) Allyl propyl disulphide

b) Yam (17)

14) Dimethyl disulphide

c) Cooked cabbage (14)

15) Cheratin

d) Potato (12)

16) Serotonine

e) Onion (13)

17) Diosgenin

f) Bitter gourd (18)

Q.18 Variety/Varieties of brinjal having resistance against **Phomopsis Blight** ?

- 1) Pusa Purple Cluster 2) Pusa Bhairav
3) Pusa Anupam 4) All of these

Q.19 Excellent variety of tomato Suitable for processing & long transportation ?

- 1) Pusa Uphar 2) Pusa Gaurav
3) Both 1 & 2 3) Only 1

Q.20 **Pusa Sadabahar** (Chilli Hybrid) is cross between ?

- 1) G-29 ×1331 2) NP-46-A×Kandhari
3) NP-46-A×Puri Red 4) Pusa Jwala×IC-31339

Q.21 **Purple Blotch resistant** variety of onion is/are ?

- 1) Arka Kalyan 2) Pusa Red
3) Nasik Red 4) both 1&2
 5) both 1&3

Q.22 **Hissar Arun** (Tomato hybrid) is cross between ?

- 1) Pusa Early Dwarf×K-1 2) Pusa Early Dwarf×HS-101
3) HS-101×Resistant Bangalore 4) Punjab Tropics×EC-55055

Q.23 Which one is **triple cross** variety ?

- 1) Punjab Barsati 2) Pant Rituraj
3) Pusa Kranti 4) Pusa Anup am

Q.24 **Highest lycopene** synthesis at temperature between (in °C) ?

- 1) 15-18 2) 21-24
3) 25-27 4) 28-30

Q.25 First **F1 hybrid** of Bottle gourd released by Public sector in 1971 ?

- 1) Pusa Chikni 2) Pusa Sneha
 3) Pusa Megdoot 4) Pusa Supriya

Q.26 chowchow is **single seeded** vegetable & it is propagated by.....? *viviparous*

Q.27 Which one is important mutant variety of French bean & required **staking** ?

- 1) Arka Komal 2) Pusa Parvati
3) Pant Anupama 4) Phule Surekha

Q.28 Type of bean used to prepare wine ?

- 1) Cluster bean
- 2) Dolichus bean
- 3) Broad bean
- 4) Lima bean

Q.29 Variety/ Varieties suitable for processing purpose ?

- 1) Kufri Chipsona-1
- 2) Himsona
- 3) Kufri Sadabahar
- 4) All of these

Q.30 Onion Variety suitable for Export ?

- 1) Arka Kalyan
- 2) Agrifound dark Red
- 3) Agrifound Rose
- 4) both 2&3

Q.31-38 Match the column.

31) Black heart of potato

a) Excess ethylene (34)

32) Whiptail in cauliflower

b) Ca deficiency +unfavourable condition (30)

33) Bitterness of carrot

c) Poor ventilation (31)

34) Tip burn of lettuce

d) B deficiency (35)

35) Akashin of radish

e) Mo deficiency (32)

36) Blotchy ripening in tomato

f) Excessive moisture & nitrogen (37)

37) Bulb sprouting in garlic

g) Excessive nitrogen +water stress (36)

38) Blossom end rot of chilli

h) K deficiency (33)

Q.39 Spinach is a plant ?

- 1) LDP
- 2) SDP
- 3) DNP
- 4) Short long day plant

Q.40 Author of "Genetics & Plant breeding" is ?

- 1) Dr. Vishnuswarup
- 2) K.V. Peter
- 3) T.K. Bose
- 4) S.L. Katyal

Q.41 Multigerm seed is found in case of ?

- 1) Turnip
- 2) Carrot
- 3) Radish
- 4) Beet root

Q.42 In garden pea, the flower colour is ?

- 1) White
- 2) Yellow
- 3) Pink
- 4) Purple

Q.43-50 Match the column

- ✓ 43) Black scurf of potato
- ✓ 44) White rust of cauliflower
- ✓ 45) Purple blotch of onion
- ✓ 46) Pea rust
- ✓ 47) Little leaf of brinjal
- ✓ 48) Yellow vein mosaic of okra
- ✓ 49) Leaf curl of chilli
- ✓ 50) Faint mosaic of tomato

- a) Thrips (49)
- b) *Uromyces pisi* (46)
- c) Whitefly (48)
- d) *Rhizoctonia Solani* (43)
- e) Aphid (50)
- f) *Albugo candida* (44)
- g) *Alternaria porii* (45)
- h) Leaf hopper (47)

Q.51 Protoandry present in ?

- 1) Onion
- 2) Leek
- 3) Carrot
- ✓ 4) All

Q.52 Storage temperature for tomato fruit is (in °C)?

- ✓ 1) 7-10
- 2) 4-5
- 3) 10-13
- 4) 12-15

Q.53 Pointed gourd is commercially propagated by ?

- 1) Root cutting
- 2) Seed
- ✓ 3) Stem cutting
- 4) Micropropagation

Q.54 Which of the following is monocious ?

- ✓ 1) Amaranthus
- ✓ 2) Cassava
- 3) Sweet corn
- 4) All (1 to 3)
- 5) only 1&3

Q.55 Which is a phenolic factor present in onion, having antifungal properties ?

- 1) Quercetin
- 2) Allyl propyl disulphide
- 3) Sinigrin
- ✓ 4) Catechol

Q.56 Photoinsensitive variety of cow pea is ?

- ✓ 1) Pusa Dofasli
- 2) Pusa Barsati
- ✓ 3) Pusa Phalguni
- 4) Arka Garima

Q.57 The only variety of cauliflower which can be grown from April to July in hills ?

- ✓ 1) Pusa Aghani
- 2) Pusa Himgyoti
- 3) Pusa Synthetic
- ✓ 4) Pusa Snoball

Q.58 Cabbage variety which is suitable for Nilgiri hills ?

- 1) September
- 2) August
- 3) Pusa Mukta
- 4) Pusa Ageti

Q.59 Botanically yam bean (Mishrikand) is ?

- 1) *Xanthosoma sagittifolius*
- 2) *Pachyrrhizus erosus*
- 3) *Dioscorea rotundata*
- 4) *D. alata*

Q.60 Botanical name of white button mushroom is ?

- 1) *Agaricus bisporus*
- 2) *Calocybe indica*
- 3) *Lentinus edodes*
- 4) *Stropharia rugosoannulata*
- 5) *Volvariella esculenta*

Q.61 Which is Day Neutral Plant crop(DNP) ?

- 1) French bean
- 2) Cluster bean
- 3) Winged bean
- 4) Dolichus bean

Q.62 Double transplanting is most successful in ?

- 1) Cauliflower
- 2) Tomato
- 3) Brinjal
- 4) All

Q.63 About.....gram TPS is enough to raise a seedling crop ?

- 1) 40-45
- 2) 90-100
- 3) 100-120
- 4) 150-160

Q.64-70 Match the column.

64) Vilayati Baigan

65) Yucca

66) Multivitamine green

67) Balsam Pear

68) Butter bean

69) Goa bean

70) Southern Pea

a) Chekurmanis

b) Cowpea

c) Winged bean

d) Cassava

e) Tomato

f) Lima bean

g) Bitter gourd

66

70

69

65

64

68

67

Q.71 CPRI was establish in year.....at Shimla ?

- 1) 1949
- 2) 1955
- 3) 1959
- 4) 1963

Q.72 Seed plot technique developed by ?

- 1) Dr. V.K. Gupta 2) Dr. G. Kallu
3) Dr. H.P. Singh 4) Dr. Pushkarnath

Q.73 Seed rate of okra for spring-summer crop is(in kg/ha) ?

- 1) 18-22 2) 14-16
3) 8-10 4) 25-28

Q.74 Variety resistant to Black rot is?

- 1) Pusa Drumhead 2) Pusa Mukta
3) Pusa Sadabahar 4) Pusa Synthetic

Q.75 Pusa Bedana (Seedless variety of watermelon) developed by.....in.....?

- 1) Dr. B.P. Pal, 1972 2) Dr. Vishnuswarup, 1972
3) Dr. Kihara, 1972 4) Dr. H. Badani, 1972

Q.76-85 True & False.

- 76) Stimulative parthenocarpy is found in Bread fruit. [False]
79) Strawberry, Cherry Red are varieties of Rhubarb. [True]
80) Coleus belongs to family Polygonaceae. [True]
81) Glucofractons is principle carbohydrates in tuber. [False]
82) Drumstick is commercially grown in Tamilnadu. [True]
83) Highest cross-pollination found in Broccoli. [True]
84) Herkogamy found in Winged bean. [True]
85) Pointed gourd having Orthodox seed. [False]

Q.86 Potato tuber contains less than.....mg solanine per 100g fresh wt. Is considered safe for human consumption?

- 1) 8 2) 12
3) 16 4) 20

Q.87 Cluster bean contain mucilaginous substance is?

- 1) Mannogalacton 2) Asparagine
3) Glutamine 4) Galacturonic acid

Q.88 Which crop is known as vegetable meat?

- 1) Okra
2) French bean
3) Cowpea
4) pea

Q.89 The red colour in chilli fruit's at the ripening stage is due to pigment?

- 1) Capsaicin
2) Capsanthin
3) Alkagluconide
4) Mimosine

Q.90 Among cucurbit's which fruit is richest in iron content?

- 1) Muskmelon
2) Watermelon
3) Bottle gourd
4) Bitter gourd

Q.91 In the context of post-harvest handling, which one among the following vegetable has highest rate of respiration?

- 1) Beans
2) Cabbage
3) Carrot
4) Onion

Q.92 Which one of the following is an ethylene absorbent?

- 1) KMnO_4
2) KCl
3) K_2SO_4
4) $\text{Ca}(\text{NO}_3)_2$

Q.93 Fertilizer control order issued in?

- 1) 1947
2) 1957
3) 1977
4) 1986

Q.94 Concentration of which element is highest in soil?

- 1) Fe
2) O_2 96.1%
3) Al
4) Si

Q.95 Long term persistent herbicide is?

- 1) Pendimethalin
2) 2,4-D
3) Paraquat
4) Glyphosate

Q.96 Seed ball is a fruit of?

- 1) Safflower
2) Sunflower
3) Linseed
4) Sugar beet

Q.97 Which one of the following increases phosphate solubility?

- 1) Clostridium
2) Pseudomonas
3) Azotobacter
4) Nitrosomonas

Q.98 Soybean is originated in?

- 1) India 2) China
3) Tropical America 4) Japan

Q.99 Rust includes in?

- 1) Deuteromycotina 2) Basidiomycotina
3) Ascomycotina 4) Oomycetes

Q.100 IAA is chemically similar to the amino acid?

- 1) Methionine 2) Serine
3) Tryptophan 4) Prolin

Q.101 Germination is inhibited by/

- 1) Red light 2) Blue light
3) IR light 4) UV light

Q.102 Blue revolution is related with?

- 1) Crops 2) Energy source
3) Fish 4) Oilseed

Q.103 Flower of beet leaf are sexually?

- 1) Staminate 2) Pistillate
3) Hermaphrodite 4) All of these

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