

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK



1. _____ is the mechanism of resistance where plants deter the insects from feeding, oviposition, and/or seeking shelter and the insects are unable to colonize.
- (1) Tolerance (2) Non-preference
(3) Antixenosis (4) Ecological resistance
-
2. Ecdysone or molting hormone is secreted by
- (1) Prothoracic gland (2) Corpora allata
(3) Corpora cardiaca (4) NSC
-
3. The scientific name of Gerbil rat is
- (1) *Rattus rattus* (2) *Bandicota bengalensis*
(3) *Tatera indica* (4) *Mus booduga*
-
4. The vas deferens becomes enlarged along its course to form _____, in which spermatozoa congregate.
- (1) Ejaculatory duct (2) Testes
(3) Oviduct (4) Vesicula seminalis
-
5. In BG II Bt cotton, which of the following genes are incorporated ?
- (1) Cry 2 Ac and Cry 1 Ab (2) Cry 3 Ab and Cry 1 Ac
(3) Cry 1 Ac and Cry 2 Ab (4) Cry 1 Ac
-
6. Which of the following nozzles forms the spray in the form of cones and jets ?
- (1) Flood jet nozzle (2) Adjustable nozzle
(3) Swivel nozzle (4) None of the above
-
7. The name 'Uzi fly', a parasitoid of mulberry silkworm is derived from a village called 'Uzi'. Where is it located ?
- (1) South Korea (2) Thailand
(3) China (4) Japan
-
8. Insect growth regulator Buprofezin is used for the control of insects belonging to order
- (1) Lepidoptera (2) Coleoptera (3) Homoptera (4) Diptera
-
9. In insects, each ovary composed of egg tube is known as
- (1) Spermatheca (2) Oviduct (3) Ovariole (4) Oocyte
-
10. Which of the following antidotes is used to restore phosphorylated (inhibited) AChE by dephosphorylating it ?
- (1) 2-PAM (2) Diazepam (3) Epinephrine (4) None of the above

11. The group of fungi responsible for transmission of plant viruses is

- (1) Chytridiomycetes (2) Basidiomycetes
(3) Ascomycetes (4) Deuteromycetes

12. From the following fruiting bodies of fungi, which fruiting bodies are asexual ?

- a. Synnema and Acervulus
b. Sporodochium and Pycnidium
c. Apothecium and Cleistothecium
d. Perithecium and Ascostroma

Answer Options :

- (1) a and c (2) a and b
(3) a and d (4) b and c

13. Choose the fungal pathogen, which is responsible for downy mildew of grape.

- (1) *Sclerospora graminicola*
(2) *Sclerospora sacchari*
(3) *Plasmopara viticola*
(4) *Peronosclerospora phillippinensis*

14. Match the following :

- | A | | B | |
|-----------------------|--|------------------|--|
| a. Cyst Nematode | | I. Meloidogyne | |
| b. Root Knot Nematode | | II. Heterodera | |
| c. Burrowing Nematode | | III. Ditylenchus | |
| d. Stem Nematode | | IV. Radopholus | |

- | | a | b | c | d |
|-----|-----|-----|-----|-----|
| (1) | I | II | III | IV |
| (2) | II | I | IV | III |
| (3) | III | IV | II | I |
| (4) | IV | III | I | II |

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

15. The plant pathological models used to estimate yields and forecasting of diseases are
- (1) Conceptual models (2) Analytical models
(3) Predictive models (4) None of these
-
16. After germination of seed of phanerogamic plant parasite, the rotating of leafless shoot in search of host is observed in
- (1) Mistletoe (2) Striga
(3) Cuscuta (4) Broomrape
-
17. Select the name/s of the parasitic nematode which causes root knot disease in vegetables.
- (1) *Heterodera avenae*
(2) *Meloidogyne spp*
(3) *Anguina tritici*
(4) (1) and (2) only
-
18. Non-availability of zinc causes the disease
- (1) Black heart of potato (2) Black tip of mango
(3) Tip burn of rice (4) Khaira of rice
-
19. Which stages of wheat stem rust are found in the alternate stage ?
- (1) Stage I and Stage II (2) Stage III and Stage IV
(3) Stage I and Stage III (4) Stage 0 and Stage I
-
20. The Department of Agriculture and Co-operation under the Union Ministry of Agriculture, Government of India withheld the import permit of garlic from China due to the presence of two fungal pathogens in the bulb of garlic in 2005. Of these two pathogens which was a quarantine pest ?
- (1) *Urocystis cepulae* (2) *Embellisia alli*
(3) *Puccinia porri* (4) *Aspergillus spp*

21. In mango, for getting true-to-type seedling as rootstock; _____ mango varieties are used.
 (1) Monoembryonic (2) Polyembryonic
 (3) Both (1) and (2) (4) Wild species of genus *Mangifera*
-
22. Which of the following is a climacteric fruit ?
 (1) Mandarin (2) Sapota (3) Litchi (4) Pomegranate
-
23. Rust of linseed is caused by which of the pathogens ?
 (1) *Uromyces lini* (2) *Urocystis lini*
 (3) *Melampsora lini* (4) *Puccinia lini*
-
24. _____ fruit crop is commonly grown on slopy lands of west and east coast.
 (1) Ber (2) Fig (3) Mango (4) Cashewnut
-
25. Special horticultural practice followed for increasing production in erect growing varieties of guava is known as
 (1) Pruning (2) Bending
 (3) Bahar treatment (4) Notching
-
26. Sweet orange variety 'Sathgudi' has its origin in
 (1) Kerala (2) Andhra Pradesh
 (3) Orissa (4) Tamil Nadu
-
27. In apomixis when the embryo arises directly from egg nucleus without fertilization, it is known as
 (1) Vegetative apomixis (2) Non-recurrent apomixis
 (3) Recurrent apomixis (4) Floral apomixis
-
28. On the basis of vegetable crop husbandry _____ classification is more convenient.
 (1) Botanical (2) Method of culture
 (3) Based on seasons (4) All of the above
-
29. Chilli is one of the richest source of vitamin 'C'. The fruit accumulates maximum ascorbic acid content when
 (1) It is tender (2) It turns to maturity
 (3) It gets dry (4) All of the above
-
30. 'Kufri badshah' variety of potato is resistant to _____ disease.
 (1) Anthracnose (2) Late blight (3) Wart (4) Scab

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

31. Little leaf disease of brinjal is caused by
(1) Bacteria (2) Mycoplasma (3) Fungi (4) None of these
-
32. Which variety of cucumber is recommended for commercial cultivation in the Konkan region ?
(1) Sheetal (2) Himangi (3) Poinsett (4) Pusa sanyog
-
33. Tuberose is also used as cut flower. The post harvest life of spike depends on
(1) Cultural practices adopted for growing crop
(2) Temperature, relative humidity and wind velocity
(3) Carbohydrate reserve and endogenous plant growth regulators
(4) All of the above
-
34. Which of the following flower crops is an indicator plant for fluoride pollution ?
(1) Rose (2) Marigold (3) Gaillardia (4) Gladiolus
-
35. Calyx splitting is a major disorder of
(1) Rose (2) Carnation
(3) Gerbera (4) Chrysanthemum
-
36. In plant propagation, auxin boost rooting of cutting, among various auxins, _____ is more effective and causes no damage to cutting.
(1) MAA (2) IAA (3) IBA (4) All of these
-
37. Which plant growth regulator stimulates rapid closure of stomata ?
(1) Auxins (2) Gibberellins
(3) Cytokinins (4) Abscisic acid
-
38. A prevention or delay of microbial decomposition is one of the principles in preservation of food. It includes asepsis which means
(1) Keeping out microorganisms
(2) Removal of microorganisms
(3) Both (1) and (2)
(4) Killing of microorganisms by heat or radiation
-
39. Jam becomes sticky or gummy due to
(1) Low TSS percent (2) High TSS percent
(3) Less pectin (4) More pectin
-
40. Alcohol test is used to determine
(1) Acidity (2) Sugar (3) Pectin (4) TSS

41. The philosophy of extension education is to develop the people in the following aspects by means of education :
- (1) Economically (2) Socially
(3) Culturally (4) All of them
-

42. Which of the following devices is/are used for measuring progress towards educational objectives ?
- (1) Value scale (2) Attitude scale
(3) Opinion polls (4) All of these
-

43. POSDCORB view of administration functions are developed by
- (1) Gulick and Urwick (2) Luther Gulick
(3) H. Fayol (4) Berlo
-

44. Communication and motivation are important factors for maintaining _____ in an extension organization.
- (1) expertise (2) climate
(3) flexibility (4) leadership
-

45. Which among the following is a functional leader ?
- (1) Doctor (2) Headmaster
(3) Agriculture innovator (4) All of these
-

46. A network of _____ promoted by ITC provides relevant and real-time information on weather, prices and news and marketing channel for farm produce.
- (1) e-choupal (2) Gyan doot
(3) Bhoomi project (4) Expert system
-

47. In which communication does opportunity for immediate feedback occur ?
- (1) Intrapersonal (2) Interpersonal
(3) Vertical (4) Horizontal
-

48. Which among the following are the first to adopt a new idea, much ahead of other members in a community ?
- (1) Early adopters (2) Early majority
(3) Innovators (4) Laggards
-

कच्चा कामसाठी जागा / SPACE FOR ROUGH WORK

49. Which among the following refers to characteristics of behaviour ?

- (1) Sensing (2) Perceiving
(3) Doing (4) All of these

50. A person with _____ type of personality is social, adaptable and interested in people.

- (1) Introvert (2) Extrovert
(3) Ambivert (4) Genius

51. Hazell (1971) developed _____ model uses linear decision criterion with expected return and mean absolute deviation for farm planning under uncertainty.

- (1) TOBIT (2) LOGIT
(3) MOTAD (4) SURE

52. When an individual or a group of people accept the views of each other and develop a common understanding, it is called

- (1) Co-operation (2) Accommodation
(3) Assimilation (4) Composition

53. The Three-Tier system of local self government was recommended by

- (1) Ashok Mehta (2) Dr. B.R. Ambedkar
(3) Mahatma Gandhi (4) Balwantraoi Mehta

54. Opinion leaders are

- a. The persons whom people go to for opinions.
b. The persons who advise followers on religious matters.
c. The persons who act as legitimizers and influence the decision making of opinion seekers.

Which of the statements given above is/are correct ?

- (1) a only (2) a and b
(3) a and c (4) All of the above

55. Marriage of one man to one woman is which form of family ?

- (1) Polygamy family (2) Monogamous family
(3) Polyandry family (4) None of these

56. If paper money is converted to standard money on demand it is called
 (1) Convertible paper money (2) Token money
 (3) Standard money (4) None of these
-
57. The share of agricultural sector in national income has been _____ over the years.
 (1) declining (2) increasing
 (3) constant (4) None of the above
-
58. Under which plan was the "Kisan Credit Card Scheme" introduced ?
 (1) Sixth Five Year Plan (2) Seventh Five Year Plan
 (3) Eighth Five Year Plan (4) Ninth Five Year Plan
-
59. The largest wheat producing state in India was _____ during 2014-15.
 (1) Punjab (2) Maharashtra
 (3) Madhya Pradesh (4) Uttar Pradesh
-
60. The National Agricultural Co-operative marketing federation was established in the year
 (1) 1958 (2) 1959 (3) 1960 (4) 1961
-
61. The first state warehouse was setup in
 (1) Maharashtra (2) Bihar (3) Gujarat (4) Rajasthan
-
62. The National Co-operative Development Corporation (NCDC) was established in the year
 (1) 1960 (2) 1961 (3) 1962 (4) 1963
-
63. Production Possibility Curve is concave to the origin when two products substitute each other at a/an
 (1) Constant rate (2) Increasing rate
 (3) Decreasing rate (4) Both (1) and (2)
-
64. In which of the following stages of production function, is the maximum profit obtained in the production of a commodity ?
 (1) Stage I (2) Stage II (3) Stage III (4) Stage I and II
-
65. Break even point of a firm is where
 (1) $TR > TC$ (2) $TR = TC$ (3) $TR < TC$ (4) None of these

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

66. Which is/are the "Milch Breed/s" of cattle in India ?

- a. Gir
b. Tharparkar
c. Khillari
d. Amritmahal

Answer Options :

- (1) a only (2) c only (3) a and b only (4) c and d only

67. Economics of milk production is important for

- a. Reducing the cost and increasing the profit
b. Fixing sale rates of milk
c. Culling of animals

Which of the statement/s given above is/are correct ?

- (1) a only (2) b and c (3) a and c only (4) a, b and c

68. Buffaloes wallow mainly for which reason ?

- (1) To regulate body temperature
(2) To control parasites
(3) Both (1) and (2)
(4) None of these

69. Which breed of poultry is *not* classified under the American class ?

- a. Rhode Island Red
b. Plymouth Rock
c. White Leghorn

Answer Options :

- (1) a only (2) b only
(3) c only (4) None of the above

70. What should the temperature be during the first week of brooding chicks ?

- (1) 97° F (2) 95° F (3) 90° F (4) 85° F

71. Which content of milk increases continuously in the last three months of lactation ?

- (1) Fat (2) SNF
(3) Both (1) and (2) (4) None of these

72. Valenta test is carried when ghee is adulterated with the following :
- Coconut oil
 - Animal fat
 - Cottonseed oil

Answer Options :

- a only
- a and c only
- a and b only
- a, b and c

-
73. The common thickness of aluminium foil for use in product packaging shall be

- 0.012 to 0.015 mm
- 0.1 to 0.25 mm
- 1.0 to 1.5 mm
- 0.026 to 0.040 mm

-
74. Milk is a poor source of which vitamin ?

- Vitamin C
- Vitamin A
- Thiamin
- Riboflavin

-
75. Pasteurization of milk involves the following step/s :

- Heating
- Holding
- Cooling

Answer Options :

- | | |
|-------------|----------------|
| (1) a only | (2) a and b |
| (3) a and c | (4) a, b and c |

-
76. Which hazard(s) usually cause the greatest and broadest danger to consumers ?

- | | |
|-----------------------------|--------------|
| (1) Biological | (2) Chemical |
| (3) Biological and chemical | (4) Physical |

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

77. Which of the following are unsaturated fatty acids ?

- (1) Capric and Caprylic
 - (2) Lauric and Myristic
 - (3) Linoleic and Linolenic
 - (4) Palmitic and Stearic
-

78. Texture refers to those qualities of food that we can feel with the

- (1) Fingers
 - (2) Tongue
 - (3) Teeth
 - (4) All of these
-

79. The most commercially successful form of aseptic packaging material/s which is/are sterilized, formed, filled and sealed in continuous operations is/are :

- (1) Paper
 - (2) Plastic
 - (3) Both (1) and (2)
 - (4) None of these
-

80. The primary structure of a protein refers to

- a. The non-covalent bonds that hold the protein in a particular shape.
- b. Whether it has more α helix than β sheets in the protein.
- c. Whether it is globular or fibrous.
- d. The linear sequence of amino acids covalently linked through amide bonds.

Answer Options :

- (1) a and b
 - (2) a, b and c
 - (3) c only
 - (4) d only
-

81. In fruits where the pericarp is fused with extra carpellary tissues and an external wall develops due to differentiation, into soft parenchyma, such fruit is called
(1) Dry fruit (2) Fleshy fruit
(3) Indehiscent fruit (4) Syncarpous fruit
-
82. The fibre-like long, narrow, thick and lignified cells, usually pointed at both the ends, observed in crops namely jute, hemp, flax and coconut are known as
(1) Sclerenchyma (2) Collenchyma
(3) Parenchyma (4) Chlorenchyma
-
83. The evidence of paired chromosomes in diploid species was demonstrated by the following scientist :
(1) Morgan (2) Boveri and Sutton
(3) Watson and Crick (4) Creighton and McClintock
-
84. During the meiosis prophase-I stage, when chromosomes become shorter and thicker as synapsis continues it is termed as
(1) Leptonema (2) Zygonema (3) Diplonema (4) Pachynema
-
85. Somatic numbers (2n) of chromosomes in *Vicia faba* are
(1) 12 (2) 24 (3) 48 (4) 46
-
86. Crossing over leading to recombination of linked genes was first observed by Belgian scientist
(1) Janssen (2) Morgan (3) Muller (4) Lederberg
-
87. When the production of one of the two phenotypes requires the presence of dominant alleles of both the genes controlling the concerned trait in 9 : 7 manner, the gene action is termed as
(1) Dihybrid ratio gene interaction (2) Duplicate gene action
(3) Complementary gene interaction (4) Additive gene action
-
88. In small populations a random change in gene frequency due to sampling error is known as
(1) Migration (2) Mutation (3) Evolution (4) Genetic drift
-
89. Mating between individuals, who are phenotypically more similar than would be expected under random mating is called
(1) Genetic assortative mating (2) Genetic disassortative mating
(3) Phenotypic assortative mating (4) Phenotypic disassortative mating

कच्चा कामासाठी जागा / SPACE FOR ROUGH WORK

90. In biparental cross, the mating design type North Carolina Design [NCD-1] is also called as
(1) Nested design (2) Factorial design
(3) Line x tester design (4) Triple test cross design
-
91. Zeltich proposed that glycolate is synthesized in low CO₂ and high O₂ concentrations of the atmosphere, which is related with
(1) Exosmosis (2) Endosmosis (3) Guttation (4) Imbibition
-
92. Under waterlogged conditions paddy is able to get adequate O₂ due to the following enzyme :
(1) Peroxidase (2) Catalase (3) Invertase (4) Carboxylase
-
93. The ratio of reflected radiation to incident radiation when expressed in percentage is called
(1) Refraction (2) Transmission (3) Albedo (4) Fluorescence
-
94. With which micronutrient is the "reclamation" deficiency in cereals and legumes related with ?
(1) Iron (2) Boron (3) Zinc (4) Copper
-
95. The management of forests both for production of wood and rearing domesticated animals is termed as
(1) Agri-silviculture system (2) Sylvo-pastoral system
(3) Agro-sylvo-pastoral system (4) Multipurpose system
-
96. When viable seeds are treated with 2,3,5-tetrazolium chloride, they develop _____ colour.
(1) blue (2) pink (3) intense red (4) red
-
97. Honeycomb method of selection of F₂ plants was proposed by
(1) Gardner (2) Fasoulas (3) Lonnquist (4) McGinnis
-
98. Mottled or marginal chlorosis, necrosis on the leaf margins and leaf tips, curling of leaves and weak stems are the deficiency symptoms of the following plant nutrient :
(1) Nitrogen (2) Potassium (3) Calcium (4) Phosphorous
-
99. Cress root inhibition test is the bioassay for the following plant hormone :
(1) Auxin (2) Gibberellins (3) Cytokinin (4) Ethylene
-
100. If the succession is allowed to progress without disturbance, a stage is reached when no more improvement is possible in the soil and vegetation. This stage is termed as
(1) Proclimax (2) Climax (3) Mono-climax (4) Preclimax

सूचना - (पृष्ठ 1 वरून पुढे.....)

- (8) प्रश्नपुस्तिकेमध्ये विहित केलेल्या विशिष्ट जागीच कच्चे काम (रफ वर्क) करावे. प्रश्नपुस्तिकेव्यतिरिक्त उत्तरपत्रिकेवर वा इतर कागदावर कच्चे काम केल्यास ते काँपी करण्याच्या उद्देशाने केले आहे, असे मानले जाईल व त्यानुसार उमेदवारावर शासनाने जारी केलेल्या “परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचे अधिनियम-82” यातील तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.
- (9) सदर प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपल्यानंतर उमेदवाराला ही प्रश्नपुस्तिका स्वतःबरोबर परीक्षाकक्षाबाहेर घेऊन जाण्यास परवानगी आहे. मात्र परीक्षा कक्षाबाहेर जाण्यापूर्वी उमेदवाराने आपल्या उत्तरपत्रिकेचा भाग-1 समवेक्षकाकडे न विसरता परत करणे आवश्यक आहे.

नमुना प्रश्न

Pick out the correct word to fill in the blank :

Q. No. 201. I congratulate you _____ your grand success.

- (1) for (2) at
(3) on (4) about

ह्या प्रश्नाचे योग्य उत्तर “(3) on” असे आहे. त्यामुळे या प्रश्नाचे उत्तर “(3)” होईल. यास्तव खालीलप्रमाणे प्रश्न क्र. 201 समोरील उत्तर-क्रमांक “(3)” हे वर्तुळ पूर्णपणे छायांकित करून दाखविणे आवश्यक आहे.

प्र. क्र. 201. (1) (2) (3) (4)

अशा पद्धतीने प्रस्तुत प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाचा तुमचा उत्तरक्रमांक हा तुम्हाला स्वतंत्ररीत्या पुरविलेल्या उत्तरपत्रिकेवरील त्या त्या प्रश्नक्रमांकासमोरील संबंधित वर्तुळ पूर्णपणे छायांकित करून दाखवावा. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

Adda247