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Maharashtra Agricultural Officer (Mains)

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महाराष्ट्र राजपत्रितु तांत्रिक सेवा (मुख्य) स्पर्धा परीक्षा- 2022

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संच क्र.



एकूण प्रश्न : 100

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वेळ : 1 (एक) तास

Paper - I
General Agriculture

सूचना

- (1) सदर प्रश्नपुस्तिकेत 100 अनिवार्य प्रश्न आहेत. उमेदवारांनी प्रश्नांची उत्तरे लिहिण्यास सुरुवात करण्यापूर्वी या प्रश्नपुस्तिकेत सर्व प्रश्न आहेत किंवा नाहीत याची खात्री करून घ्यावी. तसेच अन्य काही दोष आढळल्यास ही प्रश्नपुस्तिका समवेक्षकांकडून लगेच बदलून घ्यावी.

- (2) आपला परीक्षा-क्रमांक ह्या चौकोनात न विसरता बॉलपेनने लिहावा.

परीक्षा-क्रमांक									

केंद्राची संकेताक्षरे

शेवटचा अंक

- (3) वर छापलेला प्रश्नपुस्तिका क्रमांक तुमच्या उत्तरपत्रिकेवर विशिष्ट जागी उत्तरपत्रिकेवरील सूचनेप्रमाणे न विसरता नमूद करावा.
- (4) या प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाला 4 पर्यायी उत्तरे सुचविली असून त्यांना 1, 2, 3 आणि 4 असे क्रमांक दिलेले आहेत. त्या चार उत्तरांपैकी सर्वात योग्य उत्तराचा क्रमांक उत्तरपत्रिकेवरील सूचनेप्रमाणे तुमच्या उत्तरपत्रिकेवर नमूद करावा. अशा प्रकारे उत्तरपत्रिकेवर उत्तरक्रमांक नमूद करताना तो संबंधित प्रश्नक्रमांकासमोर छायांकित करून दर्शविला जाईल याची काळजी घ्यावी. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.
- (5) सर्व प्रश्नांना समान गुण आहेत. यास्तव सर्व प्रश्नांची उत्तरे द्यावीत. घाईमुळे चुका होणार नाहीत याची दक्षता घेऊनच शक्य तितक्या वेगाने प्रश्न सोडवावेत. क्रमाने प्रश्न सोडविणे श्रेयस्कर आहे पण एखादा प्रश्न कठीण वाटल्यास त्यावर वेळ न घालविता पुढील प्रश्नाकडे वळावे. अशा प्रकारे शेवटच्या प्रश्नापर्यंत पोहोचल्यानंतर वेळ शिल्लक राहिल्यास कठीण म्हणून वगळलेल्या प्रश्नांकडे परतणे सोईस्कर ठरेल.
- (6) उत्तरपत्रिकेत एकदा नमूद केलेले उत्तर खोडता येणार नाही. नमूद केलेले उत्तर खोडून नव्याने उत्तर दिल्यास ते तपासले जाणार नाही. एकापेक्षा जास्त उत्तरे नमूद केल्यास ते उत्तर चुकीचे धरले जाईल व त्या चुकीच्या उत्तराचे गुण वजा केले जातील.
- (7) प्रस्तुत परीक्षेच्या उत्तरपत्रिकांचे मूल्यांकन करताना उमेदवाराच्या उत्तरपत्रिकेतील योग्य उत्तरांनाच गुण दिले जातील. तसेच "उमेदवाराने वस्तुनिष्ठ बहुपर्यायी स्वरूपाच्या प्रश्नांची दिलेल्या चार उत्तरांपैकी सर्वात योग्य उत्तरेच उत्तरपत्रिकेत नमूद करावीत. अन्यथा त्यांच्या उत्तरपत्रिकेत सोडविलेल्या प्रत्येक चुकीच्या उत्तरांसाठी 25% किंवा 1/4 गुण वजा/कमी करण्यात येतील".

ताकीद

ह्या प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपेपर्यंत ही प्रश्नपुस्तिका आयोगाची मालमत्ता असून ती परीक्षाकक्षात उमेदवाराला परीक्षेसाठी वापरण्यास देण्यात येत आहे. ही वेळ संपेपर्यंत सदर प्रश्नपुस्तिकेची प्रत/प्रती, किंवा सदर प्रश्नपुस्तिकेतील काही आशय कोणत्याही स्वरूपात प्रत्यक्ष वा अप्रत्यक्षपणे कोणत्याही व्यक्तीस पुरविणे, तसेच प्रसिद्ध करणे हा गुन्हा असून अशी कृती करणाऱ्या व्यक्तीवर शासनाने जारी केलेल्या "परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचा अधिनियम-82" यातील तरतुदीनुसार तसेच प्रचलित कायद्याच्या तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.

तसेच ह्या प्रश्नपत्रिकेसाठी विहित केलेली वेळ संपण्याआधी ही प्रश्नपुस्तिका अनधिकृतपणे बाळगणे हा सुद्धा गुन्हा असून तसे करणारी व्यक्ती आयोगाच्या कर्मचारीवृंदापैकी, तसेच परीक्षेच्या पर्यवेक्षकीयवृंदापैकी असली तरीही अशा व्यक्तीविरुद्ध उक्त अधिनियमानुसार कारवाई करण्यात येईल व दोषी व्यक्ती शिक्षेस पात्र होईल.

पुढील सूचना प्रश्नपुस्तिकेच्या अंतिम पृष्ठावर पहा

पर्यवेक्षकांच्या सूचनेनुसार ही सील उघडू नये



कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK



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1. Which authority is competent to entertain, hear and decide the disqualification petition under the Maharashtra Local Authority Members' Disqualification Act, 1986 ?

a. Divisional Commissioner
b. Collector
c. Additional Collector
d. Revenue Minister

Which of the options given above is/are correct ?

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

2. Under the Maharashtra Land Revenue Code, 1966 classes of persons holding land from the State are :

a. Occupants, Non-occupants, Lease holders;
b. Agriculturists, adivasi agriculturists, N.A. Land holders;
c. Occupants-Class I, Occupants-Class II, Government Lessees;
d. Landlords and Tenants.

Which of the statements given above is/are correct ?

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

3. Whom can the State Government may appoint as an officer to be the Agricultural Lands Tribunal ?

a. An officer not below the rank of a Mamlatdar
b. An officer not below the rank of a Sub-divisional Officer
c. An officer not below the rank of R.D.C.
d. Collector only

Which of the statements given above is/are correct ?

(1) a only (2) a or b only
(3) c or d only (4) d only

4. Can a tenant terminate the tenancy in respect of any land at any time by surrendering his interest therein in favour of the landlord ?

a. Yes, he can do so b. No, he cannot do so
c. There is no such provision d. It will be illegal

Which of the statements given above is/are correct ?

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

5. Who can add or remove any commodity from the schedule under Essential Commodities Act, 1955 ?

a. Central Government
b. Central Government in consultation with the State Government
c. State Government
d. The concerned Ministry

Which of the statements given above is/are correct ?

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

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

P.T.O.

6. The Veterinary Council of India deals with
- the regulation of veterinary practice.
 - maintenance of registers of veterinary practitioners.
 - matters connected therewith or ancillary thereto.
 - Veterinary medicine.

Which of the statements given above is/are correct ?

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

-
7. Does the Consumer Protection Act confer the powers of "Search and Seizure" ?

- Yes
- No
- Such powers are in the Indian Penal Code.
- None of the above

Which of the statements given above is/are correct ?

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

-
8. Food Safety and Standards Authority of India is established by which of the following Act ?

- The Prevention of Food Adulteration Act, 1954
- Food Production Order, 1956
- The Agricultural Produce Markets Act, 1972
- The Food Safety and Standards Act, 2006

Which of the options given above is/are correct ?

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

-
9. The children of following age are entitled to nutritional needs as per the National Food Security Act, 2013 :

- | | |
|-------------------|-----------------------|
| (1) 0 to 6 years | (2) 6 to 14 years |
| (3) 0 to 14 years | (4) None of the above |

-
10. Which of the following Act deals with the import, manufacture, sale, transport, distribution and use of insecticides ?

- Insecticides Act, 1968
- Food Production Order, 1956
- The Food Safety and Standards Act, 2006
- The Destructive Insects and Pests (Amendment and Validation) Act, 1992

Which of the options given above is/are correct ?

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

कच्चा कामासाठी जागा / SPACE FOR ROUGH WORK

11. Which of the following is/are the main objective/s of "Scheme for Promotion of National Agriculture Market" ?
- To facilitate Pan-India trade in Agricultural Commodities.
 - To promote stable prices and availability of quality produce to consumers.
 - To streamline marketing transaction procedures and make them uniform across all markets.
 - To increase government revenue receipts from agricultural markets.

Answer Options :

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

12. Consider the following statements :

- Pradhan Mantri Kisan Maan-Dhan Yojana (PM-KMY) is effective from 01-12-2018.
- PM-KMY provides for an assured monthly pension of ₹ 3000 to all eligible contributing farmers on their attaining the age of 60 years.
- The eligibility criteria for both Pradhan Mantri Kisan Samman Nidhi Scheme (PM-KISAN) and PM-KMY are the same.
- The amount of monthly contribution shall range between ₹ 50 to ₹ 200 per month depending upon the age of entry of the farmers into the scheme.

Which of the statements given above is/are correct ?

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

कृपया कामासाठी जागा / SPACE FOR ROUGH WORK

P.T.O.

13. Following are among the several broad objectives of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) :

- a. Achieve convergence of investments in irrigation at the field level.
- b. Enhance the physical access of water on the farm and expand cultivable area under assured irrigation (Har khet ko pani).
- c. Enhance the adoption of precision irrigation and other water-saving technologies (More crop per drop).
- d. To provide Functional Household Tap Connection (FHTC) to every rural household.

Which of the above statements is/are correct ?

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

14. Which of the following statements are true regarding PM-KISAN scheme ?

- a. Motto of the scheme is to provide income support benefit to eligible farmers.
- b. Eligible farmers receive an amount of ₹ 6000 per year.
- c. Former members of the Legislative Assemblies are eligible for the benefit under the scheme.
- d. Subsequent to the prescribed date, if the ownership of the land is changed due to transfer of land through Sale Deed, then the transferee will be eligible for the benefit under the scheme.

Answer Options :

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

15. Which of the following is correct in case of pattern of assistance available to the beneficiary for micro-irrigation scheme under PMKSY ?

- (1) 60% for small and marginal farmers and 40% for other farmers.
- (2) 75% for small and marginal farmers and 55% for other farmers.
- (3) 55% for small and marginal farmers and 45% for other farmers.
- (4) 50% for all farmers.

कच्चा कामासाठी जागा / SPACE FOR ROUGH WORK

16. What is norms of assistance given to farmers' under NDRF for perennial crops ?

- | | |
|----------------|----------------|
| (1) ₹ 13500/ha | (2) ₹ 18000/ha |
| (3) ₹ 6800/ha | (4) ₹ 15000/ha |

17. Scientific name of Fall Armyworm Pest is

- | | |
|------------------------------|----------------------------------|
| (1) <i>Spodoptera Litura</i> | (2) <i>Spodoptera Frugiperda</i> |
| (3) <i>Spodoptera Exigua</i> | (4) <i>Spodoptera Hipparis</i> |

18. 'PDM' Fertilizer contains which major nutrient ?

- | | |
|---------------|-----------------|
| (1) Potash | (2) Phosphorous |
| (3) Magnesium | (4) Nitrogen |

19. Under interstate agriculture commodities trade scheme, subsidy is 50% of transport cost or maximum ₹ 50,000, whichever is less for the following distance :

- (1) 1501 to 2000 km
- (2) Atleast 350-750 km
- (3) 751 to 1000 km
- (4) 2001 km and above

20. As per PMFBY guidelines, if the threshold yield of wheat in an insurance unit is 3800 kg/ha, while the actual yield is 1900 kg/ha., what will be the 'claim' for an insured farmer under basic cover whose insured sum for that crop is 'X' Rupees ?

- | | |
|----------------|----------------|
| (1) X Rupees | (2) X/4 Rupees |
| (3) X/3 Rupees | (4) X/2 Rupees |

21. Which of following statements is/are correct in respect to "Nano urea developed by IFFCO" ?

- a. Nano urea contains 4.0% total Nitrogen (w/v)
- b. This fertilizer has been notified by Fertilizer Control Order (FCO), 1985
- c. Nano particle size varies from 150 – 200 nm
- d. It is research outcome of NBRC, Kalol

Answer Options :

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

कच्चा कामासाठी जागा / SPACE FOR ROUGH WORK

P.T.O.

22. Choose the correct option

IndGAP certification aims to address

- a. quality and quantity obtained from unit area
- b. targeted yield per unit area
- c. sustained supply of produce of desirable quality
- d. only organic farming

Answer Options :

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

23. Which of following antibiotics and other pharmacologically active substances is/are banned by GoM for use in shrimp aquaculture ?

- a. Neomycin
- b. Chloroform
- c. Glycopeptides
- d. Dapsone

Answer Options :

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

24. As per the Economic Survey of Maharashtra 2021 – 22, which crop area has decreasing trends over the last six decades ?

- (1) Pulses
- (2) Cereals
- (3) Oilseeds
- (4) Cotton

25. Select the correct option to fill in the blank.

As per Livestock Census 2019, Maharashtra ranks seventh with livestock of about _____ crores.

- (1) 5.50
- (2) 2.50
- (3) 3.31
- (4) 1.25

26. Which of the following countries rank 1st and 2nd in import of floriculture, fruit and vegetable seeds and processed fruits, juices and nuts from India in the year 2020 – 21 ?

- (1) 1st USA and 2nd Netherlands
- (2) 1st United Arab Emirates and 2nd UK
- (3) 1st Russia and 2nd UK
- (4) 1st Netherlands and 2nd USA

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

27. Which of the following is a biofortified pomegranate variety/hybrid ?
- (1) Mridula
 - (2) Solapur Lal
 - (3) Bhagwa
 - (4) Ganesh
-
28. Select the group of 'Top Five States' in terms of dense forest cover area in 2021.
- (1) Madhya Pradesh, Arunachal Pradesh, Chhattisgarh, Mizoram, Kerala
 - (2) Mizoram, Arunachal Pradesh, Meghalaya, Manipur, Nagaland
 - (3) Arunachal Pradesh, Maharashtra, Odisha, Chhattisgarh, Madhya Pradesh
 - (4) Madhya Pradesh, Chhattisgarh, Arunachal Pradesh, Odisha, Karnataka
-
29. Which of the following cereal crop nowadays is recognized as "nutri-cereal" ?
- (1) Oats
 - (2) Wheat
 - (3) Sorghum
 - (4) Paddy
-
30. How much was the total export value of the APEDA products during 2021 - 22 ?
- (1) ₹ 3,25,170.10 Crores
 - (2) ₹ 2,48,310.26 Crores
 - (3) ₹ 1,84,769.24 Crores
 - (4) ₹ 1,10,209.11 Crores
-
31. Which of the following is the highest award conferred on the farmers by Department of Agriculture, Government of Maharashtra ?
- (1) Vasant Rao Naik Krishi Bhushan
 - (2) Dr. Panjabrao Deshmukh Krishi Ratna
 - (3) Vasant Rao Naik Shetinishtha Shetkari
 - (4) Vasant Rao Naik Shetimitra

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

P.T.O.

32. Match the following :

ICAR Institutes/Research Centres		Location	
a.	National Research Centre for Grapes	I.	Mumbai
b.	National Research Centre for Pomegranate	II.	Nagpur
c.	Central Institute of Research on Cotton Technology	III.	Pune
d.	Central Citrus Research Institute	IV.	Solapur
		V.	Nashik

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

33. How much is the percentage of net irrigated area to the total net sown area in the country as per 2021 – 22 survey ?

- (1) 28% (2) 33% (3) 49% (4) 55%

34. India is the number one importer of which one of the following commodities ?

- (1) Sugar (2) Wheat
(3) Tea (4) Vegetable oil

35. Which of the following is **not** the highlight of Union Budget 2022 – 23 ?

- (1) Procurement of wheat and paddy and direct payment of MSP value to the farmers' account.
(2) Promotion of chemical-free natural farming.
(3) Use of 'Kisan Drones'.
(4) Doubling farmers' income.

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

36. In Public Distribution System in India which is the nodal agency that undertakes procurement, distribution and storage of food grains ?

- (1) Warehousing Development and Regulatory Authority
- (2) National Agricultural Cooperative Marketing Federation of India Ltd
- (3) Food Corporation of India
- (4) State Marketing Board

37. As per Tenth Agricultural Census (2015 – 16), what is the average land holding in Maharashtra State ?

- (1) 1.34 ha.
- (2) 2.31 ha.
- (3) 2.82 ha.
- (4) 3.40 ha.

38. The scope of land reforms in India entails which of the following ?

- a. Abolition of intermediaries
- b. Abolition of ownership of land by inheritance
- c. Tenancy reforms
- d. Ceiling and floors on land holding

Answer Options :

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

39. As per the data of 2021, what is the percentage of forest area in Maharashtra State to that of forest area in India ?

- (1) 8%
- (2) 11%
- (3) 15%
- (4) 20%

40. What would be the Fair and Remunerative Price (FRP) of sugarcane for sugar season 2022 – 23 for a sugar factory having basic sugar recovery rate of 10 percent ? (Do not deduct transportation or other charges).

- (1) ₹ 2900 per metric tonne
- (2) ₹ 2973.75 per metric tonne
- (3) ₹ 3050 per metric tonne
- (4) ₹ 3126.25 per metric tonne

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

P.T.O.

41. The soil particles associated in quasi-stable small clods are known as _____.
(1) Massive (2) Peds (3) Columnar (4) Blocky
-
42. The essence of _____ is that as we scale things down, they start to take an extremely novel properties.
(1) nanotechnology (2) sustainable agriculture
(3) precision farming (4) climate
-
43. _____ can also be referred to as a representation of relationship under consideration as may be defined as mimicry.
(1) Correlation (2) Weather forecasting
(3) A model (4) Soil-water-plant relationship
-
44. Increased _____ is a necessity for changing the occupational pattern in India.
(1) net profit (2) workforce participation
(3) purchasing power (4) agricultural productivity
-
45. The incidence of rice plants naturally infected with sheath blight *Rhizoctonia solani*, was generally higher at elevated CO₂ under high _____ levels, but this does not increase sheath blight severity.
(1) nitrogen (2) phosphorus (3) potash (4) calcium
-
46. In the near infrared range between 0.7 to 1.3 μm a plant leaf will naturally reflect between _____ light intensity.
(1) 40 – 60% (2) 30 – 50% (3) 50 – 70% (4) 60 – 80%
-
47. The advantages of using Hazard Analysis Critical Control Point (HACCP) principles must include _____.
(1) reduction in product loss
(2) increased product quality
(3) better control of product inventory
(4) All of the above
-
48. _____ percent of world's staple food is harvested from rainfed areas.
(1) 50 (2) 60
(3) 70 (4) 75
-

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49. _____ is a satellite and ground-based radio navigation and locational system that enables the user to determine very accurate locations on the surface of the earth.
(1) Geographical information system (2) Global positioning system
(3) Remote sensing (4) Radar
-
50. According to Minimum Wages Act, average income of agricultural labour increased to the tune of _____ per day in 1981.
(1) ₹ 6.95 (2) ₹ 7.06 (3) ₹ 9.25 (4) ₹ 10.06
-
51. There will be positive effect of climate change on possibilities of higher yields in _____ areas due to longer growing season.
(1) temperate (2) tropical
(3) arid (4) sub-humid
-
52. The absorption of infrared energy by the atmosphere and the Earth is called _____.
(1) insulation (2) absorption
(3) greenhouse effect (4) emission
-
53. In _____ soils, there is practically no horizon differentiation in the soil profile.
(1) red (2) alluvial (3) laterite (4) black
-
54. To avoid localised widespread famine and open undernutrition is one of the principal objectives of _____.
(1) food security (2) self-sufficiency
(3) food policy (4) deficit production
-
55. Water held tightly as thin film around the soil particles that cannot be used by plants is called _____.
(1) Gravitational water (2) Capillary water
(3) Hygroscopic water (4) Field capacity
-
56. Nanotechnology is used in
a. Tillage and Seed science
b. Water use and Weed Management
c. Fertilizers and Plant Protection
d. Health monitoring and Drug delivery system
Which of the options given above is/are correct ?
(1) a only (2) b only
(3) a, b and c only (4) a, b, c and d

57. Areas of specific application of Remote Sensing in agricultural surveys are

- a. Crop surveys
- b. Range surveys
- c. Livestock surveys
- d. Soil surveys

Which of the options given above is/are correct ?

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

58. Remote sensing plays an important role (pivotal role) in

- a. assessing the land and water resources.
- b. areas of groundwater existence.
- c. monitoring the outbreak and spread of crop pests and diseases.
- d. estimation of forest cover and assessing crop yields.

Which of the statements given above is/are correct ?

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

59. Thermally sensitive photoconductors permit to discriminate temperature differences of _____.

- (1) 1.0°C
- (2) 0.1°C
- (3) 0.01°C
- (4) 0.001°C

60. According to the National Commission on Rural Labour (1991), during 1987 – 88, out of a total of 108.4 million rural households, _____ million households belonged to rural labour households.

- (1) 40
- (2) 43
- (3) 46
- (4) 49

61. In sugar crops, accumulation of sugar is affected due to which of the following ions present in fertilizers ?

- (1) Chloride
- (2) Sulphite
- (3) Nitrogen
- (4) Sodium

62. A Database Management System (DBMS) is a _____ component of Geographical Information System (GIS).

- (1) hardware
- (2) software
- (3) data
- (4) geodesy

63. _____ (halloysite) have been developed as carriers of pesticides at low cost for extended release and better contact with plants and they will reduce the amount of pesticides by 70 – 80 percent.

- (1) Clay nanotubes
- (2) Nano membranes
- (3) Zeolites
- (4) Nano coatings

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64. _____ is the process of using a model dynamically by following a system over a time period.
- | | |
|----------------|-----------------|
| (1) Validation | (2) Calibration |
| (3) Regression | (4) Simulation |
-
65. Remote Sensing, Geographical Information System and Global Positioning System are all such powerful technologies which enhance sustainable agriculture towards _____ in a smart way.
- | | |
|------------------------|-------------------------|
| (1) modern agriculture | (2) sustainability |
| (3) precision farming | (4) low cost technology |
-
66. _____ in village areas is another important factor for the low wages and poor economic condition of the farm labourers.
- | |
|---|
| (1) Low labour efficiency |
| (2) Lack of medical aid |
| (3) Lack of labour supply |
| (4) Paucity of non-agricultural occupations |
-
67. As a result of the Green Revolution, marginalisation of small farmers and eviction of tenants have been major contributing factors to a faster increase in _____.
- | |
|---|
| (1) poverty |
| (2) industrial labourers |
| (3) the number of landless agricultural labourers |
| (4) casual labourers |
-
68. The fall in work participation rate of males during 1981 – 91 is more conspicuous in the _____ areas than in the _____ areas where it has almost stabilized around 49 percent.
- | | |
|------------------|----------------------|
| (1) urban, rural | (2) sub-urban, rural |
| (3) rural, urban | (4) urban, sub-urban |
-
69. According to the Second Agricultural Labour Enquiry published in 1960, agricultural labour families constituted nearly _____ percent of all rural families.
- | | | | |
|--------|--------|--------|--------|
| (1) 20 | (2) 25 | (3) 30 | (4) 35 |
|--------|--------|--------|--------|

70. The responses of _____ plants (maize, sorghum, millet, sugarcane) which follow different pathways are less responsive to enriched CO₂ levels.
(1) C₁ (2) C₂ (3) C₃ (4) C₄
-
71. Any part of our natural environment such as land, water, air, minerals, forests, rangeland, wildlife, fish or even human population that man can utilize to promote his welfare may be regarded as _____.
(1) source (2) natural resource
(3) wealth (4) property
-
72. _____ is largely transparent to incoming solar radiation.
(1) Weather (2) Atmosphere
(3) Climate (4) Sky
-
73. The Central Research Institute for Jute and Allied Fibres (CRIJAF) is located in
(1) Jharkhand (2) Chhattisgarh
(3) West Bengal (4) Bihar
-
74. Nanofertilizers are nutrient carriers of nano dimensions ranging from
(1) 10 – 20 nm (2) 30 – 40 nm
(3) 50 – 60 nm (4) 70 – 80 nm
-
75. Use of Geographic Information System (GIS) began in the year
(1) 1947 (2) 1960 (3) 1980 (4) 2000
-
76. Which of the following elements act as regulators and carriers in the plant ?
(1) C, H, O (2) N, P, S
(3) K, Ca, Mg (4) Fe, Mn, Zn
-
77. Which of the following plough is mainly used for breaking hard pan and for deep ploughing (60 – 70 cm) with less disturbance to the top layers ?
(1) Subsoil plough (2) Chisel plough
(3) Ridge plough (4) Rotary plough
-
78. The Intergovernmental Panel on Climate Change (IPCC) was established in _____ by World Meteorological Organizational (WMO) and the United Nations Environment Programme (UNEP).
(1) 1988 (2) 1986 (3) 1987 (4) 1985
-

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79. Anthropogenic climate change is due to

- | | |
|-----------------------|-----------------------|
| (1) Greenhouse effect | (2) Tectonic activity |
| (3) Higher aerosols | (4) Human activity |

80. In Remote Sensing which of following is **not** applicable in range survey ?

- | | |
|-----------------------|------------------------|
| (1) Carrying capacity | (2) Location of water |
| (3) Crop vigour | (4) Wildlife inventory |

81. Which of the following is **not** in the category of commercial high resolution multispectral imagery ?

- | | |
|--------------|-----------------|
| (1) IKONOS-2 | (2) IKONOS-3 |
| (3) GeoEye-1 | (4) QuickBird-2 |

82. Which young soil constitutes 15% of soils in the world ?

- | | |
|---------------|-----------------|
| (1) Alfisols | (2) Entisols |
| (3) Vertisols | (4) Inceptisols |

83. In intercropping when both crops are cultivated in replacement series it is called as

- | | |
|--------------------|----------------|
| (1) Catch crop | (2) Trap crop |
| (3) Component crop | (4) Relay crop |

84. The lower layer of thermosphere is also known as _____.

- | | |
|------------------|----------------|
| (1) Troposphere | (2) Ionosphere |
| (3) Thermosphere | (4) Mesosphere |

85. As per Ronald D. Kay, _____ is the decision-making process whereby limited resources are allocated to a number of production alternatives to organize and operate the business in such a way to attain some objectives.

- | | |
|---------------------|---------------------|
| (1) group meeting | (2) discussion |
| (3) farm enterprise | (4) farm management |

86. _____ are the inputs which are used to produce various goods and services.

- | | |
|-------------------------------|------------------------------|
| (1) The factors of production | (2) Food grain production |
| (3) Manufactured materials | (4) Agricultural commodities |

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P.T.O.

87. _____ deficiency is more critical in highly calcareous soils, leached sandy soils, lime acid soils and reclaimed lateritic soils.

- | | |
|---------------|-----------|
| (1) Manganese | (2) Boron |
| (3) Copper | (4) Zinc |

88. The procurement of wheat in 1995 increased by _____ fold from that of 1965.

- | | |
|--------|--------|
| (1) 27 | (2) 30 |
| (3) 33 | (4) 36 |

89. In bioherbicides which micro organism is most commonly used for controlling weeds ?

- | | |
|-------------|---------------|
| (1) Fungi | (2) Bacteria |
| (3) Viruses | (4) Nematodes |

90. Wind speed may be noted with

- | | | | |
|----------|---------|--------|--------|
| a. knots | b. kmph | c. mps | d. mph |
|----------|---------|--------|--------|

Which of the above unit is/are correct ?

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

91. Among the following crops, which is a short-day plant that flowers when the day length is less than a certain critical length (< 12 hours) ?

- | | |
|----------------|---------------|
| (1) Sugar beet | (2) Sunflower |
| (3) Soybean | (4) Safflower |

92. The most favourable light for the growth of crops is _____.

- | | |
|----------|------------|
| (1) Red | (2) Violet |
| (3) Blue | (4) Green |

93. Central Rice Research Institute (CRRI) was established at Cuttack, Odisha in the year

- | | |
|----------|----------|
| (1) 1911 | (2) 1946 |
| (3) 1965 | (4) 1966 |

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94. For every one molecule of chlorine from chlorofluorocarbon, about _____ molecules of ozone are removed from ozone layer.
(1) 10,00,000 (2) 1,00,000
(3) 10,000 (4) 1,000
-
95. In which of the following series of cropping system are both the crops called component crops ?
(1) Additive (2) Replacement
(3) Sequence (4) Mixed
-
96. Upto mid _____, the Public Distribution System was fed to a considerable extent by imported foodgrains.
(1) 1965 (2) 1970 (3) 1975 (4) 1980
-
97. Integration of perennial plants (mostly leguminous) in the farming system is called _____.
(1) silvi pasture (2) alley cropping
(3) agri-horti pasture (4) mixed cropping
-
98. The process of breaking, scratching, mechanically altering or softening the seed coats to make them permeable to water and gases is known as _____.
(1) seed treatment (2) seed alteration
(3) seed viability (4) scarification
-
99. _____ is concerned with the comparison of model predictions with results from independent experiments.
(1) Calibration (2) Validation
(3) Simulation (4) Path analysis
-
100. Earth observations from _____ provide synoptic view of a large area.
(1) spectral reflectance
(2) microwave radiations
(3) satellite platforms
(4) near infrared radiations

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 कापी करण्याच्या उद्देशाने केले आहे, असे मानले जाईल व त्यानुसार उमेदवारावर शासनाने जारी केलेल्या “परीक्षामध्ये 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 परीक्षाकक्षाबाहेर 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 ● 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.

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