

ACHIEVERS AGRICET ACADEMY

BAPATLA.

AGRICET 2024 KEY PAPER (MEMORY BASED)

విద్యార్థులకు గమనిక :

గత తొమ్మిది సంవత్సరాలుగా అగ్రిసెట్ పరీక్షలో అఖండ ఫలితాలు సాధిస్తూ, వరుసగా ఏడు సార్లు స్టేట్ 1st ర్యాంకు తో పాటు మరెన్నో ర్యాంకులు కైవసం చేసుకుంటున్న ఏకైక విద్యా సంస్థ ACHIEVERS AGRICET ACADEMY, BAPATLA వారు అందిస్తున్న "కీ పేపర్" కు మరియు ఆచార్య. ఎన్. జి. రంగా వ్యవసాయ విశ్వవిద్యాలయం వారికీ ఎటువంటి సంబంధం లేదు. ఫైనల్ కీ పేపర్ లో మార్పులు ఉండవచ్చు. ఈ కీ పేపర్ కేవలం విద్యార్థుల ప్రాథమిక నిర్ధారణకు మాత్రమే. ఈ కీ పేపర్ ను పరీక్ష రాసిన మా ACHIEVERS AGRICET ACADEMY, BAPATLA విద్యార్థుల యొక్క జ్ఞాపక శక్తి ఆధారంగా తయారు చేయబడినది. 2015 సంవత్సరం నుండి కూడా విద్యార్థుల కొరకు కేవలం మా ఒక్క అకాడమి నుండి మాత్రమే కీ పేపర్ విడుదల చేయటం జరుగుతుందని చెప్పడానికి సంతోషిస్తున్నాము. ఈ కీ పేపర్ లో ఏమైనా తప్పులు ఉన్నచో, మాకు తెలియజేయగలరు.

1. Tag color of breeder seed
a. Azure blue **b. Golden yellow** c. Purple d. Pink
2. Reddening of leaves in cotton is due to the deficiency of
a. **Mg** b. Ca c. B d. Zn
3. Water vapor directly converted into ice crystals is called as
a. **Frost** b. Dew c. Sleet d. Glaze
4. Browning in cauliflower is due to the deficiency of
a. **B** b. Mo c. N d. Ca
5. The layer nearest to the earth surface is
a. **Troposphere** b. Stratosphere c. Exosphere d. Mesosphere
6. 30-35hp tractor engine is suitable to ____ ha
a. 20 ha **b. 40 ha** c. 10 ha d. 30 ha

7. IHP for two stroke engine

- a. $\frac{PLAN}{4500} \times n$ b. $\frac{PLAN}{4500} \times \frac{n}{2}$ c. $\frac{4500}{PLAN} \times n$ d. $\frac{PLa}{4500N} \times n$

8. CO₂ percentage in atmosphere

- a. 0.0035 % b. 0.35 % **c. 0.035 %** d. 0.0005 %

9. Which of the following is seed born disease

- a. **Ustilago nuda tritici** b. *Puccinia graminis tritici*
c. *Fusarium spp* d. *Taprina spp*

10. Casual organism of Turmeric Rhizome rot

- a. *Diplodia natalensis* b. *Scleractinia sclerotiarum*
c. *Fusarium oxysporum* d. **Phythium aphanidermatum**

11. Example for Non selective herbicide

- a. **Gramaxin** b. Atrazine c. 2-4 D d. Imazethapyr

12. _____ pheromone lure is used to control red palm weevil

- a. Helilure b. Litlure **c. Ferrolure** d. Rhinolure

13. Trap crop for *Spodoptera litura*

- a. **Castor** b. Mari gold c. Mustard d. Napier

14. In Bajra ergot, 10 % brine solution is used to remove _____

- a. **Sclerotia** b. Conidia c. Seed broken d. Oospores

15. Bajra downy mildew causal organism

- a. **Sclerospora graminicola** b. *Peronosclerospora sorghi*
c. *sclerospora sorghi* d. *Claviceps fusiformis*

16. The line joining the equal points of rain fall is known as

- a. **Isohyets** b. Isophytes c. Isobars d. Isotherms

17. Seed rate for onion (kg/ ha)

- a. 5 **b. 10** c. 20 d. 15

18. The instrument which is used to measure relative humidity

- a. Anemometer **b. Hair hygrometer** **c. Psychrometer** d. Barometer

19. Which type of suckers are used to propagate banana

- a. **Sword sucker** b. Water sucker c. Air sucker d. Sets

20. Origin of Pomegranate

- a. Iran b. Iraq c. India d. South America
21. Scientific name of ben or ben oil tree
a. *Moringa coniga* **b. Moringa oleifera** c. *Vigna unguiculate* d. *Morus alba*
22. In ATMA, 'M' stands for
a. **Management** b. Movement c. Multiplies d. Modify
23. High pressure areas at the equator of the earth is called as
a. **Horse latitudes** b. Doldrums c. Latitude d. Altitude
24. NABARD came into existence during ____ five year plan
a. **6** b. 4 c. 5 d. 8
25. Reclamation of alkaline soils is done by applying
a. **Gypsum** b. Lime stone c. Pyrite d. Elemental sulphur
26. Finger millet rich in ____ nutrient
a. **Ca** b. Mg c. S d. P
27. Pulses are rich in
a. Mg b. K **c. Ca & P** d. S
28. Common parasitic weed in sorghum
a. **Striga** b. Cuscuta c. Loranthus d. Orobanche
29. In sugarcane, dusty black whip like structure is the symptom of ____ disease
a. Red rot b. Grassy shoot c. Stem rot **d. Smut**
30. Fungicide belongs to Acyl Alanine group is
a. **Metalaxyl** b. Carboxyn c. Carbendazim d. Indole
31. Chairman of AIRCSC
a. A.D. Gorwala b. Venkatappiah c. Gadgil d. Nariman
32. Which crop is known as King of fiber as well as white gold
a. **Cotton** b. Jute c. Tobacco d. Sorghum
33. Queen of cereals
a. **Maize** b. Wheat c. Rice d. Jowar
34. Poor man's pulse crop
a. **Horse gram** b. Cowpea c. Green gram d. Red gram
35. Dehorning is done in ____ crop

- a. **Guava** b. Apple c. Grape d. Pomegranate
36. Scurvy and bleeding of gums is prevented by
a. **Amla** b. Mango c. Grape d. Almond
37. Soil inversion is done by
a. Disc plough b. Chisel plough **c. MB Plough** d. Country plough
38. Extension education process developed by
a. **J. Paul Leagans** b. S.K. Dey c. F.L. Braine d. Spencer Hatch
39. Which of the following belongs to mass methods of teaching
a. Lectures b. Personal letters c. Office calls **d. Leaf let**
40. _____ is supreme of democracy
a. **Individual** b. Home c. Village d. Community
41. The capacity of the soil to produce crops
a. Soil fertility b. Soil strength c. Soil capacity **d. Soil productivity**
42. Calyx splitting and slab slide are disorders present in
a. **Carnation** b. Gerbera c. Rose d. Jasmine
43. Alkaloids Withaferin A and somniferin are present in
a. **Ashwagandha** b. Periwinkle c. Isabgol d. Aloe
44. Example for Saprophytic orchids
a. Cymbidium **b. Listera** c. Vanda d. Dendrobium
45. Green colored variety in brinjal
a. **Arka shirish** b. Pusa purple long c. Arka Naveen d. Pusa hybrid 7
46. Pressure required to operate sprinkler system is
a. **>2.5kg/cm²** b. <2.5kg/cm² c. >1kg/cm² d. <1kg/cm²
47. Wonder crop
a. **Soybean** b. Green gram c. Red gram d. Cowpea
48. The greenhouses with span less than 6 m are called as
a. **Wooden frame structures** b. Pipe frame structures
c. Truss frame structures d. Iron frame structures
49. In citrus tree blossom heavily and die before fruit maturity
a. **Phytophthora gummosis** b. Die back c. Tristeza d. Canker

50. Agriculture extension is an example for ____ education.
a. In formal **b. Non formal** c. Formal d. None
51. In coastal areas, the suitable sugarcane planting method is practiced to avoid lodging
a. **Trench method** b. TJe block method c. Pit method d. Flat bed
52. In silk worm cocoon damage is due to ____ predator
a. **Dermeetid beetle** b. Uzi fly c. *Pediculoides* d. Coccinellids
53. ____ is used to control mites
a. **Sulphur** b. Carbaryl c. Granules d. Monocrotophos
54. Sex form of worker bee
a. **Sterile female** b. Sterile male c. Perfect male d. Female
55. Phosphoros percentage in SSP
a. **16** b. 60 c. 12 d. 19
56. Trigonometric survey is taken based on
a. **Curve** b. Slope c. Plan d. Height
57. In groundnut, Aflotoxins are formed due to
a. **Improper drying** b. Pest control c. Storage d. Weed control
58. Chillli damping off is controlled by
a. **Raised seed beds** b. More use of nitrogen
c. More irrigation d. Flat beds in clay soil
59. Upgrading of good quality seed is done by using
a. Scalper b. Debeader c. Sheller **d. Gravity separator**
60. Growing of a suitable crop in place of normally sown highly profitable crop of the region due to aberrant weather conditions is known as
a. Mixed cropping **b. Contingency cropping**
c. Inter cropping d. Mono cropping
61. Soil erosion permitting crop
a. Green gram b. Cowpea **c. Jowar** d. Groundnut
62. Removal of tassel in maize
a. **Detasseling** b. Tasseling c. Silking d. Emasculation

63. Scheduling of irrigation water instrument
a. **Tensiometer** b. LCC chart c. Spadometer d. Lactometer
64. In 1966 seed Act, Total number of sections are
a. **25** b. 24 c. 20 d. 30
65. In red gram _____ disease mostly effect on seedling stage
a. **Phytophthora blight** b. Fusarium wilt
c. Leaf spot d. Sterility mosaic virus
66. Type of green house suitable for hilly areas.
a. **Uneven span** b. Even span c. Ridge and furrow d. Saw tooth
67. Mandal system of panchayat was recommended by _____ committee .
a. **Ashok mehta** b. Balwanth ray Mehta c. Gorwala d. Paul leagans
68. Thin layer drying _____ cm
a. **20 cm** b. 10 cm c. 15 cm d. 30 cm
69. Starter material for rural compost
a. **Dung** b. Night soil c. Water d. SSP
70. Soil amendment used for acidic soils
a) Lime stone b) Gypsum c) Urea d) SSP
71. Example for Neutral Fertilizer
a) CAN b) SSP c) Ammonium nitrate d) Ammonium sulphate
72. Example for Alkali metal
a) Na b) B c) Ca d) Mg
73. Which of the following is used as fumigant
a) Aluminum phosphide b) Zinc sulphide
c) Methyl Bromide d) Bromadiolone
74. The chemical which is volatile at room temperature is known as
a) Fumigant b) Aerosols c) Sulphates d) Dusters
75. Example for anionic micro nutrients
a) Cl, B, Mo b) Ca, Mg, S c) Fe, Mn, Zn d) Ca, K, N
76. Sprouted seeds of chick pea can cure the following disease
a) Scurvy b) Jaundice c) Beri Beri d) Anemia

77. Central Research Institute for Dryland agriculture is located at
a) Hyderabad b) New Delhi c) Pune d) Mumbai
78. In which zone, TPP and APP is increasing
a) Zone I b) Zone II & III c) Zone I and III d) Zone II
79. Nozzle angle for even flat fan nozzle
a) 60-85 ° b) 80-95° c) 95-100° d) 105°
80. Phytoplasmas are sensitive to
a) Penicillin b) Tetracycline c) Sulphur d) Carbamates
81. Deep cracks are formed on
a) Red soils b) Clay soils c) Sandy soils d) Loamy soils
82. The cylindrical part *i.e* which is closed on one side and fit to the engine cylinder is known as
a) Cylinder b) Crank case c) Skirt d) Piston
83. Upward curling in chilli is due to
a) Mites b) Thrips c) Leaf hoppers d) Aphids
84. Which of the following is non-halogen
a) Florine b) Chlorine c) Bromine d) Hydrogen
85. Rice Tungro virus is transmitted by
a) Gall midge b) BPH c) Green Leaf hoppers d) Stem borers
86. Destructive Insect Pest Act came in to effect from
a) 1915 b) 1914 c) 1904 d) 1912
87. Reduction of chromosomes to half is occurred during _____ phase
a) Meiosis - I b) Meiosis - II c) Prophase - I d) Mitosis
88. If only two sellers are present in the market, then the market is known as
a) Monopoly b) Oligopoly c) Duopoly d) Monopolistic Competition
89. The agreement between the employer and employee to keep the information secret or confidential is known as
a) Trade mark b) Trade secret c) Patent d) Copy Right
90. Which block elements are present between III A to VIII A
a) S Block b) F Block c) P Block d) D Block

91. Di electrical constant of water is
a) 40 b) 60 **c) 80** d) 70
92. Calculate Harvest index in maize, with straw yield 6 tones and grain yield 4 tones
a) 40 % b) 60 % c) 50 % d) 30 %
93. Gram equivalent in one liter of water is known as
a) Molarity b) Molality **c) Normality** d) Mol Fraction
94. In India, Hybrid developments by ICAR was started in
a) **AICRP on Maize** b) AICRP on Rice
c) AICRP on Sorghum d) AICRP on Bajra
95. Soil Horizons A + B is known as
a) Regolith b) Bed rock **c) Solum** d) Broken Ped
96. Male sterility caused by nuclear genes is termed as
a) CMS **b) GMS** c) CGMS d) PGMS
97. Total assets and total liabilities of the farmers can indicate ____
a) Equity **b) Solvency** c) Liquidity d) Productivity
98. Example for concentrated organic manures is
a) Bone Meal b) FYM c) Vermi Compost d) Bio Gas
99. Which of the following belongs to neonicotinoids group
a) Acetamiprid b) Monocrotophos c) Carbaryl d) Propaxar
100. Abrasive effect on insect cuticle
a) Drie- Drie b) CO₂ c) Flame thrower d) Fumigants
101. Example of Internally feeding pest in paddy
a) Lesser grain Borer b) Pulse Beetle
c) Saw tooth beetle d) Red flour beetle
102. Mixture of air and fuel is taken in.
a) Carburetor b) Lift Pump c) Fuel tank d) None
103. Alary polymorphism is seen
a) Hemiptera b) Homoptera c) Coleoptera d) Thysanoptera
104. Repugnatorial glands present in
a) Hemiptera b) Homoptera c) Coleoptera d) Thysanoptera

105. _____ bond is formed as a result of electrostatic attraction between the oppositely charged ions
a) Covalent Bond **b) Ionic Bond** c) Dative Bond d) Hydrogen Bond
106. More electronegativity is present in
a) Alkali metals b) Chalcogens c) Non-Metals **d) Halogens**
107. Churning of soil in standing water is known as
a) Cultivator b) Ridger **c) Puddler** d) Rotavator
108. During drought situations, ___ can be sprayed to mitigate stress.
a) 2 % Urea b) 2 % DAP c) 2 % SOP **d) 2 % MOP**
109. Sociometry is used to select _____ type of leaders
a) Lay leaders b) Professional Leaders
c) Prominent Leaders d) Autocratic Leaders
110. In crucifers, ___ pest is more resistant to insecticides.
a) *Plutella xylostella* b) *Hellula undalis*
c) *Brevicoryne brassicae* d) *Spodoptera litura*
111. Gene responsible for resistance in BT Cotton is
a) Cry II AD **b) Cry I AC** c) Cry II AB d) Cry III
112. The preliminary inspection of the area to be surveyed is called
a) Geodetic Survey **b) Reconnaissance Survey**
c) Plane Survey d) Preliminary Survey
113. C:N ratio of humus is
a) 12 : 1 b) 20 : 1 c) 30 : 1 d) 100 : 1
114. Stimulation of resistance genes in plants when _____ are sprayed on the leaf surface
a) Carbonates b) Sulphates c) Nitrates d) Chlorites
115. The additional cost necessary to produce one more unit of output is known as
a) Average Cost b) Total Cost **c) Marginal Cost** d) Ep
116. Mutations produced by changes in the base sequence of genes are known as _____
a) Chromosomal mutations b) Plasma Gene mutations

c) Point Mutations

d) Cytoplasmic mutations

117. A wheel or disc mounted on the dry shaft and provided with a no. of curved blades/ vanes is

a) Impeller

b) Casing

c) Suction pipe

d) Delivery pipe

118. In jasmine, pruning is done during

a) March -April

b) Dec- Jan

c) June- July

d) Oct- Nov

119. In surveying, longest line is also called as

a) Check line

b) Proof line

c) Base line

d) Tie Line

120. Which crop have fodder, fibre, green manure properties?

a) Sun hemp

b) Diancha

c) Pillipesara

d) Horse gram