

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.

TR/AGRI/GS/2026

**TEST BOOKLET
GENERAL ABILITY TEST**

Test Booklet Series



(Signature of the Candidate)

(Invigilator's Signature)

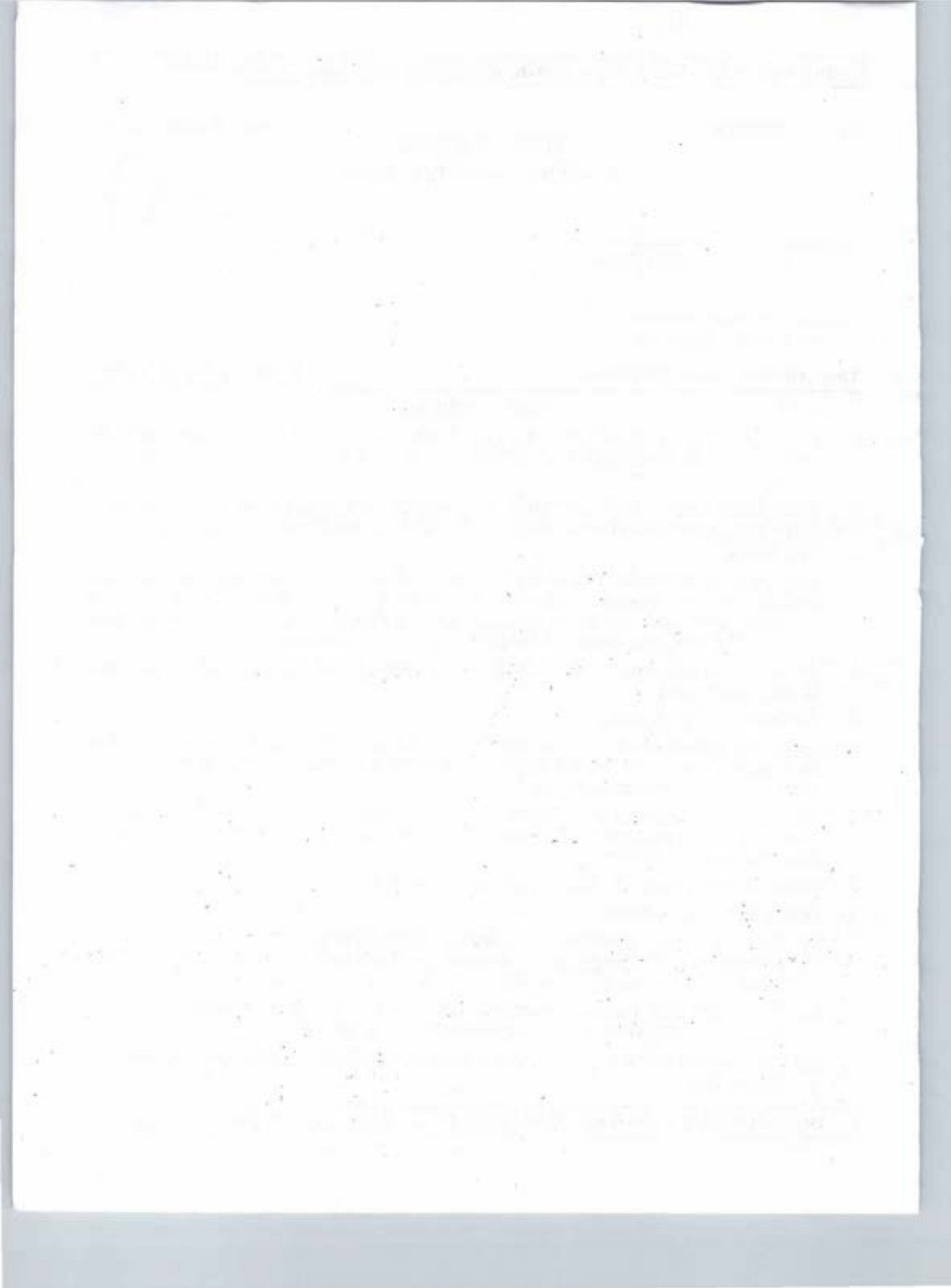
Time Allowed – Three (03) hours

Maximum Marks – 180

INSTRUCTIONS

1. PLEASE CHECK THE TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE ON THE ANSWER SHEET BY BLACK BALL POINT PEN ONLY.
3. This Test Booklet contains 100 items (questions). Each question has four responses (answers). You will select the responses which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the most appropriate. In any case, choose **ONLY ONE** response for each item.
4. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
5. All items carry equal marks.
6. Before you proceed to mark on the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars on the Answer Sheet as per instructions sent to you with your Admission Certificate.
7. After you have completed filling in responses on the Answer Sheet and the Examination is completed, you should handover the Answer Sheet to the Invigilator only. You are permitted to take away the Test Booklet.
8. Sheets for rough work are appended on the Test Booklet at the end.
9. **Penalty for wrong answers :**
 - (a) There will be four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-fourth** of the marks assigned to that question will be deducted as penalty.
 - (b) If a candidate gives more than one answer, it will be treated as a **Wrong Answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (c) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Four options are given against each of the following questions. Select the best/correct option from among the four options and encode in the answer sheet by using **Black Ball Point Pen** only as per example given below :

Example : The capital of India is :

- | | |
|------------------|--|
| (A) Delhi | ☒ (B) New Delhi |
| (C) Indraprastha | (D) None of these. |

PART-A

I. Questions 1-4 : Choose the most appropriate preposition to fill in the blanks.

1. The Note-book fell ___ the table.

- | | |
|---------|--------|
| (A) of | (B) on |
| (C) off | (D) at |

2. The mosquito is a menace ___ the health of mankind.

- | | |
|---------|--------|
| (A) for | (B) of |
| (C) on | (D) to |

3. Please put this book ___ all the many others in this group.

- | | |
|-----------|-------------|
| (A) among | (B) between |
| (C) with | (D) at |

4. Now-a-days, the rich persons enjoy influence _____ every facility in the society.

- | | |
|------------|----------|
| (A) within | (B) over |
| (C) on | (D) for |

II. Questions 5–7 : Choose the most appropriate article to fill in the blanks.

5. She is __ LLB.

- (A) a (B) an
(C) the (D) None of these

6. Have you finished reading __ novel I lent you ?

- (A) the (B) a
(C) an (D) None of these

7. _____ Maths. teacher is absent today.

- (A) a (B) an
(C) the (D) None of these

III. Questions 8–9: Choose the most appropriate meaning of the given underlined phrases/idioms.

8. He was a king who ruled his subjects with a high hand.

- (A) oppressively (B) kindly
(C) conveniently (D) sympathetically

9. His popularity is on the wave.

- (A) on the heights (B) stand still
(C) verge of eruption (D) gradually declining

IV. Questions 10–11 : Choose the most appropriate synonyms of the given words.

10. Baffle

- (A) buffoon (B) brute
(C) bewilder (D) None of these

11. Introvert

(A) outspoken

(B) open

(C) frank

(D) reticent

Question 12 : Choose the most appropriate antonym of the given word.

12. Ambivalent

(A) submissive

(B) misleading

(C) suspect

(D) decisive

Questions 13–15 : Choose the most appropriate option to frame correct sentences.

13. She realised that she ___ the same book many years ago, but had forgotten the ending.

(A) read

(B) had read

(C) was reading

(D) has read

14. I apologize for the confusion and look forward ___ your participation.

(A) to

(B) for

(C) at

(D) in

15. By the end of the next fiscal year, our company ___ its operations to three new countries.

(A) will expand

(B) will be expanding

(C) will have expanded

(D) expands

PART-B

16. The Southernmost point of India's Territory known as Indira Point is located in _____ district.
- (A) Nicobar (B) North Andaman
(C) Middle Andaman (D) South Andaman
17. Which Hill range in Tripura is located along the States borders of Mizoram and Bangladesh ?
- (A) Longtharai (B) Jampui
(C) Baramura (D) Atharamura
18. The number of Islets inside the Dumboor Lake in Tripura State ?
- (A) 41 (B) 34
(C) 48 (D) 28
19. Bhuvaneswari Temple of Tripura at Udaipur was built by Maharaja
- (A) Gobinda Manikya (B) Krishna Kishore Manikya
(C) Bir Chandra Manikya (D) None of them
20. The Constitution of India came into force on
- (A) 26th Nov, 1949 (B) 15th August, 1947
(C) 23rd January, 1950 (D) 26th January, 1950
21. Which one of the following is not a human factor of soil erosion ?
- (A) Afforestation (B) Deforestation
(C) Overgrazing (D) Faulty methods of agriculture

22. The Shanghai Cooperation Organisation (SCO) Summit was held on 31st August – 1st September, 2025 in
- (A) Tianjin (B) Tokyo
(C) Beijing (D) Seoul
23. What was the title of the Love Poem by Rabindranath Tagore written in respect of the King Bir Chandra Manikya who was in deep shock after the death of his wife Queen Bhanumati ?
- (A) Kadi and Komal (B) Shudhu Jodi
(C) Bhagna Hriday (D) Bondhu
24. The name of the First Kokborok Tele-film which portrays the challenging lives of Jhum Cultivators is _____.
- (A) Longtharai (B) Wansukthai
(C) Khumpui (D) Langmani Huduk
25. The Goods and Services Tax (GST) Council is constituted with _____ number of members.
- (A) 28 (B) 30
(C) 33 (D) 35
26. The Rank of Union Cabinet Secretary in the table of precedence in India is
- (A) Twelfth (B) Tenth
(C) Ninth (D) Eleventh

27. 'Loo' refers to
- (A) Cold, easy and weak wind
 - (B) High air pressure due to low temperature conditions
 - (C) Hot, dust laden and strong wind mostly experienced in Northern part of the country.
 - (D) None of the above
28. World Water Day is observed on
- (A) 3rd January
 - (B) 22nd March
 - (C) 5th June
 - (D) 5th September
29. Shifting cultivation in Bastar (Madhya Pradesh) is called
- (A) Jhum
 - (B) Podu
 - (C) Watra
 - (D) Penda
30. Dumbur Dam is located on
- (A) Haora river
 - (B) Gomati river
 - (C) Vijay river
 - (D) Manu river.

PART-C

31. Which of the following is a major plantation crop of Tripura introduced in the State in the 1960s ?
- (A) Tea (B) Coffee
(C) Cardamom (D) Rubber
32. Which is major cash crop of Tripura ?
- (A) Bamboo (B) Pineapple
(C) Rice (D) Rubber
33. Which type of fertilizer is not typically produced in India ?
- (A) Muriate of potash (B) Urea
(C) Super Phosphate (D) DAP
34. Indian Institute of Soil Science is situated at _____.
- (A) Hyderabad (B) Jabalpur
(C) Bhopal (D) Ahmedabad
35. World Bamboo Day is observed worldwide to spread awareness about the immense value of bamboo.
- (A) September, 18th (B) October, 18th
(C) November, 18th (D) December, 18th
36. Which statement best describes recent trends in pulse production in India ?
- (A) Pulse production has consistently decreased every year since 2000
(B) Pulse production has increased overall, but still often lags demand, requiring imports in some years
(C) India stopped producing pulses after 2010
(D) Pulses have replaced rice as the top food crop by area nationwide

37. Which districts in Tripura have been reported to show relatively higher rice yields ?
- (A) North and Dhalai
 - (B) West and South
 - (C) Entire State has uniform yields
 - (D) Only urban districts report higher yields
38. International Year of Millets was celebrated in the year
- (A) 2023
 - (B) 2024
 - (C) 2021
 - (D) 2020
39. The Great Bengal famine occurred in the year
- (A) 1973
 - (B) 1943
 - (C) 1945
 - (D) 1983
40. DPAP stands for
- (A) Demand Prone Area Programme
 - (B) Drought Prolonged Area Programme
 - (C) Drought Prone Area Programme
 - (D) Drought Prone Area Project
41. Which crop has the highest water use efficiency ?
- (A) Rice
 - (B) Wheat
 - (C) Maize
 - (D) Sorghum

42. Soil moisture sensors are most useful in irrigation scheduling mainly due to
- (A) They require no calibration
 - (B) They provide direct, real-time measurements of soil water standard
 - (C) They measure only groundwater levels
 - (D) They eliminate the need to consider crop growth stages and weather
43. Potassium in plants mainly helps in
- (A) Energy transfer
 - (B) Chlorophyll synthesis
 - (C) Enzyme activation and stomatal regulation
 - (D) Cell wall formation
44. Which GIS data model represents geographic features using points, lines, and polygons ?
- (A) Raster
 - (B) Vector
 - (C) Grid
 - (D) Pixel
45. Soil moisture sensors are most useful in irrigation scheduling because they provide which advantage ?
- (A) They require no calibration for different soils and crops
 - (B) They give direct, real-time measurements of soil water status to time irrigation precisely
 - (C) They measure only deep groundwater levels, not root-zone moisture
 - (D) They eliminate the need to consider crop growth stage or weather

46. Georeferencing an image in GIS means to :
- (A) Compress the image to reduce file size
 - (B) Assign real world coordinates to the image so it aligns with other spatial data
 - (C) Convert the image into a vector layer automatically
 - (D) Change the image colour depth for display purposes
47. Which of the following lists correctly names the classical five factors of soil formation ?
- (A) Parent material, Climate, Organisms, Relief, Time
 - (B) Parent material, Slope, Depth, Texture, pH
 - (C) Climate, Vegetation, Farmers, Irrigation, Erosion
 - (D) Weathering, Compaction, Salinity, Organic matter, Pollution
48. Which among following comes under category of grass and used for soil conservation measures ?
- (A) Vetiver
 - (B) Cenchrus ciliaris
 - (C) Bamboo
 - (D) All of these
49. What is the primary water source for dryland farming systems ?
- (A) Groundwater pumping
 - (B) Rainfall and stored soil moisture
 - (C) Canal irrigation
 - (D) Desalinated water
50. What is the primary objective of watershed development programmes ?
- (A) Increase urban land for infrastructure
 - (B) Manage land and water resources holistically to improve productivity and livelihoods
 - (C) Convert all wastelands into industrial zones
 - (D) Promote single crop monoculture across the watershed

51. Which system refers to growing two or more crops simultaneously on the same field to improve resource use and reduce risk ?
- (A) Sequential cropping (B) Multiple cropping (intercropping)
(C) Monocropping (D) Ratoon cropping
52. Methods of scheduling irrigation can be based on
- (A) Type of irrigation equipment only
(B) Soil moisture, crop water demand, and climatological data
(C) Color of leaves
(D) Random water application
53. In a typical soil profile the horizon rich in illuvial clay and sesquioxides is
- (A) O Horizon (B) A Horizon
(C) B Horizon (D) C Horizon
54. Which index uses Short-Wave infrared (SWIR) and Near-infrared (NIR) bands to assess crop water stress ?
- (A) NDVI (B) SAVI
(C) NDWI (D) EVI
55. Cartosat series satellites are primarily designed for
- (A) weather forecasting
(B) ocean studies
(C) mineral exploration
(D) high resolution land use mapping and agriculture monitoring

56. Which amendment is most effective for reclaiming sodic soils by replacing sodium on exchange sites and improving soil structure ?
- (A) Gypsum (calcium sulphate) (B) Elemental sulphur
(C) Lime (calcium carbonate) (D) Organic compost
57. Bench terracing is most suitable in areas having
- (A) High rainfall flat lands (B) High rainfall, steep slopes
(C) Sandy Soil in plains (D) Water logged areas
58. The size of mini watershed is
- (A) >50,000 ha (B) 10,000 – 50,000 ha
(C) 1000 – 10,000 ha (D) 1–100 ha
59. Which physiological trait is most important for breeding drought tolerant crops ?
- (A) High Leaf Area Index (B) High transpiration
(C) High root/shoot ratio (D) Shallow root system
60. Which of the following nutrient is immobile in soil but mobile in plants ?
- (A) Phosphorus (P) (B) Nitrogen (N)
(C) Calcium (Ca) (D) Potassium (K)
61. Which of the following is a major pest of maize crop ?
- (A) Stem borer (B) Fall armyworm
(C) Corn earworm (D) Spotted stalk borer

62. What was the Minimum Support Price of Grade 'A' rice for the year 2025-26 ?
- (A) ₹ 2369 per qtl (B) ₹ 2389 per qtl
(C) ₹ 2775 per qtl (D) ₹ 3699 per qtl
63. Which of the following rice variety is known as a "miracle rice" ?
- (A) IR-8 (B) CR Dhan 802
(C) DRR Dhan-54 (D) Gomati
64. "Bispyribac-sodium" is an important weedicide used to control weeds in
- (A) Rice (B) Wheat
(C) Maize (D) Field pea
65. 'Tilla' in Tripura State refers to
- (A) Hilly part (B) Upland area
(C) Plain eroded area (D) None of these
66. Smaller standard of mean (SEm) indicates
- (A) Sample mean is more reliable estimate of the population mean
(B) Sample mean is less reliable estimate of the population mean
(C) Both (A) and (B)
(D) None of the above
67. Which of the following crop(s) grown in rabi season in Tripura State ?
- (A) Boro rice (B) Rabi maize
(C) Rapeseed and mustard (D) All of these

68. What is an average annual rainfall of Tripura State ?
- (A) 2200 mm (B) 2600 mm
(C) 2800 mm (D) 3100 mm
69. Radiometer measures
- (A) Total precipitation (B) Sunshine hours
(C) Intensity of solar radiation (D) Relative humidity
70. Which of the following is not correct for nano particles ?
- (A) Small size (1-100 nm)
(B) High surface area to volume ratio
(C) Increased reactivity
(D) Reduced stability
71. Which of the following is used for precision agriculture ?
- (A) GIS (B) Green Seeker
(C) Drone (D) All of these
72. Name of maize protein is
- (A) Zien (B) Zea
(C) Zein (D) Lysin
73. Aflatoxin contamination is the common problem in _____ crop.
- (A) Soyabean (B) Groundnut
(C) Cotton (D) Jute

74. Which of the following is not an example of stomatal type of antitranspirant ?
- (A) Carbon Dioxide (B) Atrazine
(C) Kaolin (D) Absciscic Acid
75. Male inflorescence in maize is known as _____.
(A) Naid (B) Tassel
(C) Silk (D) Ear head
76. Bird vine is other name for _____.
(A) *Striga* (B) *Orobancha*
(C) *Cuscuta* (D) *Loranthus*
77. Which of the following is not a property of ideotype of dryland farming?
(A) Long growth duration
(B) Drought tolerance
(C) Effective root stem
(D) High yield potentiality with altered morphology
78. "Golden Revolution" is related to _____.
(A) Pulses (B) Jute
(C) Horticulture and Honey (D) Fertilizers
79. Denitrification losses of nitrogen in rice can be prevented by placing ammonical fertilizers in the _____.
(A) Oxidized zone (B) Reduced zone
(C) Calcified zone (D) Hydronized zone

80. Major Constitutes of cotton fiber is
- (A) Hemi cellulose (B) Lignin
(C) Cellulose (D) Pectin
81. Which of the following is responsible for heat and bitterness in chilli ?
- (A) Allinases (B) Lycopene
(C) Capsaicin (D) Papain
82. Pre-harvest fruit drop in apple is due to
- (A) Insufficient pollination (B) Moisture stress
(C) Hormonal imbalance (D) Embryo abortion
83. Black Heart is an important physiological disorder of
- (A) Guava (B) Pineapple
(C) Mango (D) Cherry
84. Guava rootstock considered to be dwarfing and wilt resistant is
- (A) *Psidium pumilum* (B) *P. montanum*
(C) *Psidium friedrichsthalianum* (D) *P. cattleianum*
85. Which of the following is used for propagation of "difficult to root" cuttings ?
- (A) Lath houses (B) Hot beds
(C) Mist chamber (D) Cold frames
86. Granulation is a physiological disorder of
- (A) Guava (B) Papaya
(C) Mango (D) Citrus

87. Which micronutrient is essential for the synthesis of 'auxin' ?
- (A) Manganese (B) Zinc
(C) Copper (D) Silicon
88. Which of the following varieties of papaya is gynodioecious in nature ?
- (A) Pusa Dwarf (B) Pusa Giant
(C) Arka Prabhath (D) CO4
89. The greater drought hardiness and resistance to diseases in banana is associated with
- (A) *Musa acuminata* (B) *M. balbisiana*
(C) *M. laterita* (D) *M. oronata*
90. Which of the following systems of layout accommodate approximately 50% more plants per unit area than the square system ?
- (A) Quincunx (B) Equilateral triangle
(C) Rectangular (D) Contour
91. Pusa Lalima is a cross between
- (A) Dushehari × Lal Sundari (B) Dushehari × Sensation
(C) Dushehari × Vanraj (D) Dushehari × Haden
92. Which kind of inflorescence found in cole crops ?
- (A) Cyme (B) Compound Umbel
(C) Racemose (D) Spadix

93. Name the hybrid of onion developed using CMS system ?
- (A) Arka Pitamber (B) Pusa Madhvi
(C) Bhima Shubra (D) Arka Kirtiman
94. Which of the following compound is responsible for pungency in onion ?
- (A) Lyropenes (B) Capsaicinodes
(C) Glucosinolates (D) All of these
95. The ideal temperature for potato tuberization is
- (A) 10-12°C (B) 18-20°C
(C) 24-26°C (D) 24-28°C
96. Which of the following is the early variety of cauliflower ?
- (A) Pusa Sharad (B) Pusa Meghna
(C) Pusa Shukti (D) Pusa Paushja
97. Little leaf of brinjal is caused by
- (A) Bacteria (B) Fungus
(C) Phytoplasma (D) Virus
98. The early variety of garden pea is
- (A) Arkel (B) Lincoln
(C) Azad P-1 (D) Bonneville

99. Which of the following is not a Principle of Landscaping ?

- (A) Rhythm
- (B) Balance
- (C) Colour
- (D) Simplicity

100. "Arka Flame" is the first cultivar developed in India in belongs to

- (A) Gerbera
- (B) Rose
- (C) Chrysanthemum
- (D) Carnation

101. Which of the following is the leading cultivar of cut roses in greenhouses in India ?

- (A) First Red
- (B) Rose Sherbet
- (C) Mohini
- (D) Raktagandha

102. Bud blasting is a physiological disorder in which of the following ?

- (A) Carnation
- (B) Lilium
- (C) Gerbera
- (D) Tuberose

103. Which of the following tree has drooping growth habit ?

- (A) Golden Rain tree
- (B) Bottle brush
- (C) Banyan
- (D) Jacaranda

104. Lutein is commercially extracted from which of the following flower crop ?

- (A) Chrysanthemum
- (B) Pansy
- (C) African Marigold
- (D) Carnation

105. A dwarf variety of lemongrass suitable for drought affected or marginal, high pH and alkaline soils is
- (A) Nima (B) Pragati
(C) CIMAP Suwarna (D) GRL 1
106. Where is ICAR (CIMAP) situated ?
- (A) Lucknow (B) Anand
(C) New Delhi (D) Kolkata
107. Which one of following is most important for avoiding post harvest losses of fruits ?
- (A) Grading (B) Cool chain
(C) Ripening (D) Transportation
108. The storage of fruits below normal temperature causes
- (A) Freezing injury (B) Bruising
(C) Chilling injury (D) Freshness
109. Which of the following is the permanent method of preservation ?
- (A) Use of light preservatives (B) Deaeration
(C) Pasteurization (D) Dehydration
110. Which enzyme is responsible for softening of fruits ?
- (A) Invertase (B) Polyphenol oxidase
(C) Cellulase (D) Xylase

111. Which one of the following is an example of Incomplete Dominance ?

- (A) Flower color in *Mirabilis jalapa* (B) Seed shape in pea
(C) Coat colour in rabbit (D) Human Blood group AB

112. When single gene effects multiple characters, the condition is called

- (A) Epistasis (B) Pleiotropy
(C) Polygeny (D) Codominance

113. Which one of the following is a Sex linked trait in humans ?

- (A) Thalassemia (B) Sickle cell anemia
(C) Albinism (D) Colour blindness

114. During which phase of the cell cycle does DNA replication occur ?

- (A) G₁ phase (B) S. phase
(C) G₂ phase (D) M. phase

115. Which of the following crops have Protandry and Protogyny respectively ?

- (A) Maize and Bajra (B) Bajra and Rice
(C) Rice and Castor (D) Castor and Rice

116. The enzyme responsible for unwinding DNA during replication is

- (A) DNA polymerase - I (B) DNA ligase
(C) DNA helicase (D) Topoisomerase.

117. In a trihybrid cross ($AaBbCc \times AaBbCc$). What is the probability of obtaining an offspring with all recessive genotypes ($aabbcc$) ?
- (A) $1/64$ (B) $1/32$
(C) $1/16$ (D) $1/128$
118. Law of homologous series was given by
- (A) Charles Darwin (B) Gregor Mendel
(C) N. I. Vavilov (D) Swaminathan.
119. In a clonal selection, the genetic variation arises mainly through,
- (A) Segregation (B) Hybridization
(C) Recombination (D) Mutation.
120. In ideotype design for dense plantings (high crop density), which canopy trait is generally preferred to maximise light interception and reduce competition ?
- (A) Erectophile leaves and compact architecture
(B) Planophile leaves and sprawling habit
(C) Large, drooping leaves that overlap neighbours
(D) Highly branched, bushy architecture with broad leaves
121. Cytoplasmic male sterility is first discovered in
- (A) Wheat (B) Rice
(C) Maize (D) Cotton
122. Golden Rice has been developed for enriching. It is rich in ;
- (A) Lysine (B) Vitamin-C
(C) Iron (D) Beta Carotene.

123. DNA Does not contain the following

- | | |
|-------------|-------------|
| (A) Uracil | (B) Thymine |
| (C) Adenine | (D) Guanine |

124. ISTA stands for

- (A) International Seed Technology Association
- (B) International Seed Testing Association
- (C) Indian Seed Testing Association
- (D) International Seed Trade Association

125. In India, the Seeds Act was enacted in

- | | |
|----------|----------|
| (A) 1955 | (B) 1971 |
| (C) 1966 | (D) 1988 |

126. Self-incompatibility is controlled by

- | | |
|----------------------|----------------------|
| (A) Multiple alleles | (B) Polygenes |
| (C) Plasmagenes | (D) Both (B) and (C) |

127. Which global agreement administered by the WTO most directly influences intellectual property protection for plant varieties and commercial seed marketing ?

- (A) Sanitary and Phytosanitary Agreement
- (B) Agreement on Trade-Related Aspects of Intellectual Property Rights
- (C) General Agreement on Tariffs and Trade
- (D) Technical Barriers to Trade Agreement

128. Which method combines controlled environment protocols and extended photoperiods to shorten generation time and multiply yearly breeding cycles ?

- | | |
|-------------------------|---|
| (A) Shuttle breeding | (B) Speed breeding |
| (C) Landrace enrichment | (D) Natural selection under farmers' fields |

129. In legumes, biological nitrogen fixation occurs in root nodules due to the enzyme

- (A) Rubisco
- (B) Hydrogenase
- (C) Nitrate reductase
- (D) Nitrogenase

130. Which mineral nutrient is essential for chlorophyll synthesis ?

- (A) Magnesium
- (B) Potassium
- (C) Calcium
- (D) Iron

131. Who is known as a Father of Plant Pathology ?

- (A) Heinrich Anton de Bary
- (B) Robert Koch
- (C) E. J. Butler
- (D) Dr. B. P. Pal

132. Who is the first person who demonstrated that fungi cause plant diseases ?

- (A) Louis Pasteur
- (B) E. J. Butler
- (C) Heinrich Anton de Bary
- (D) Dr M. S. Swaminathan

133. Who developed the 'Bordeaux mixture' as the first fungicide ?

- (A) T. J. Burrill
- (B) Louis Pasteur
- (C) H. A. de Bary
- (D) Pierre-Marie Alexis Millardet

134. Who is the father of modern biological control of plant diseases ?

- (A) Louis Pasteur
- (B) Robert Koch
- (C) E. J. Butler
- (D) Charles Valentine Riley

135. Which of the following is considered as the first systemic fungicide to control the plant diseases ?
- (A) Captan (B) Carboxin
(C) Benomyl (D) Sulfur
136. Which of the following technology is used in detection of viral plant pathogens ?
- (A) ELISA (B) Hyperspectral imaging
(C) PCR (D) All of these
137. Which of the following is a causal organ of sugarcane ratoon stunting disease ?
- (A) Viroids (B) Virus
(C) Phytoplasmas (D) *Leifsonia xyli subsp. xyli*
138. Which of the following is an internally seed born fungal disease ?
- (A) Smut of Ragi (B) Red rot of sugarcane
(C) Loose smut of wheat (D) Grain smut of jowar
139. Moko disease of Banana is caused by
- (A) *Ralstonia solanacearum* (B) *Radopholus similis*
(C) *Pentatonia nigranervosa* (D) *Fusarium oxysporum sp. cubense*
140. Which of the following is the causal agent of rice blast ?
- (A) *Ephelis oryzae* (B) *Magnaporthe grisea*
(C) *Rhizoctonia solani* (D) *Drechslera oryzae*

141. Genetic recombination occurs in bacteria through the transfer of

- (A) Pilli
- (B) Endospores
- (C) Plasmids
- (D) Autospores

142. MLO's (Phytoplasmas) in plant system were translocated through

- (A) Xylem vessels
- (B) Phloem sieve tubes
- (C) Cambium tissues
- (D) Plasmodesmata connections

143. Papaya ring spot is caused by

- (A) Poty virus
- (B) Como virus
- (C) Cucumo virus
- (D) Tobamo virus

144. The great Bengal famine in 1943 was caused mainly due to

- (A) Wheat rust
- (B) Brown leaf spot of rice
- (C) Paddy blast
- (D) Bacterial leaf blight of rice

145. Which of the following is not a sexual fungal fruiting body ?

- (A) Acervulus
- (B) Synnema
- (C) Pycnidium
- (D) Ascocarp

146. Apple scab is caused by

- (A) *Podosphaera leucotricha*
- (B) *Armillaria mellea*
- (C) *Venturia inaequalis*
- (D) *Spilocema pomi*

147. Which of the following nutrient is responsible for interveinal chlorosis in plants ?

- (A) Nitrogen
- (B) Iron
- (C) Magnesium
- (D) Zinc

148. Whiptail disease of cauliflower is caused by deficiency of

- (A) Nitrogen
- (B) Zinc
- (C) Molybdenum
- (D) Sulfur

149. 'Green commandó' refers to

- (A) Entomopathogenic fungi
- (B) Entomopathogenic bacteria
- (C) Entomopathogenic nematode
- (D) Entomopathogenic protozoa

150. *Epiricania melanoleuca* is an ectoparasitic against

- (A) *Chilo sacchariphagus indica*
- (B) *Ceratovacuna lanigera*
- (C) *Pyrilla perpusilla*
- (D) *Scirpophaga nivella*

151. Which of the following pest is responsible for 'citrus greening' ?

- (A) Mealy bug
- (B) Citrus psyllids
- (C) Citrus aphid
- (D) Citrus scal

152. Which of the following body part is responsible for conservation of water in insects ?

- (A) Rectal gills
- (B) Malpighian tubules
- (C) Crop
- (D) Proventriculus

153. Thrips have asymmetrical mouth parts due to absence of
- (A) Left mandible (B) Right mandible
(C) Both (A) and (B) (D) None of these
154. What is an optimum temperature for growth and development of insect-pest ?
- (A) 10 to 35°C (B) 20 to 45°C
(C) 50 to 65°C (D) 60 to 75°C
155. How many biotypes in brown plant hopper have been reported ?
- (A) 04 (B) 08
(C) 11 (D) 13
156. Which of the following pest causes webbing in stored rice grains ?
- (A) Rice moth (B) Indian meal moth
(C) Both (A) and (B) (D) None of these
157. Which pest of grapes is difficult to control ?
- (A) Mealy bug (B) Flea beetle
(C) Stem gridler (D) Thrips
158. Which type of honey bee dance is responsible for communication in bees ?
- (A) Squiggle dance (B) Wiggle dance
(C) Waggle dance (D) All of these
159. Which of the following is the main host plant of Tasar silkworm ?
- (A) Terminalia arjuna (B) Phalaris minor
(C) Ricinus recini (D) All of these

160. Nosema disease in Apis is caused by
- (A) Protozoans (B) Virus
(C) Bacteria (D) Fungi
161. What does the term "System farming" refer to ?
- (A) The crop grown in a region
(B) The machinery used on the farm
(C) The organisational set up under which a farm is run
(D) The amount of fertiliser applied to crop
162. The 3 R's of resource management stands for
- (A) Reuse, Replace, Refuse (B) Reduce, Reuse, Recycle
(C) Reduce, Refuse, Rebuild (D) Restore, Reuse, Reapply
163. Which budget includes all the income and expenses of the entire farm ?
- (A) Enterprise budget (B) Partial budget
(C) Complete (whole farm) budget (D) Cash flow budget
164. Which of the following is **NOT** a characteristic of perfect competition in agricultural markets ?
- (A) Large number of buyers and sellers
(B) Homogeneous products
(C) Free entry and exit firms
(D) Single seller control the market

165. What is the main purpose of a Multi credit Delivery System in agriculture ?
- (A) To provide credit from multiple sources for various agricultural needs
 - (B) To restrict credit availability to large farms only
 - (C) To increase interest rates for farmers
 - (D) To eliminate all types of agricultural credit
166. "One member, one vote" is a basic principle of
- (A) commercial banks
 - (B) Private companies
 - (C) Cooperative Societies
 - (D) Producer companies
167. Which of the following statements correctly describes the procurement price ?
- (A) They are always lower than minimum support prices
 - (B) Set by private traders for market convenience
 - (C) Always higher than MSP and used by the Government to produce food for deficit regions and vulnerable populations
 - (D) Fixed by farmers based on input costs
168. Which of the following is an example of variable cost in farming ?
- (A) Land rent
 - (B) Tractor depreciation
 - (C) Seeds and Fertilizers
 - (D) Interest on fixed capital
169. In mixed farming, livestock should contribute at least what percentage to gross income ?
- (A) 5%
 - (B) 10%
 - (C) 25%
 - (D) 50%
170. The financial document that shows a farmer's assets and liabilities at a point in time is called
- (A) Income statement
 - (B) Budget
 - (C) Balance sheet
 - (D) Cash flow statement

171. The best strategy to reduce risk in crop production is
- (A) Monocropping (B) Increasing fertilizer use
(C) crop diversification (D) Delayed sowing
172. The price of an agricultural input is mainly determined by
- (A) Government intervention only (B) Demand and supply in the market
(C) International trade policies (D) Farm size
173. Communication of System of Rice Intensification (SRI) technology to the members of social system through certain channels is termed as
- (A) Popularisation (B) Diffusion
(C) Adoption (D) Awareness
174. ____ category of adopters help trigger the critical mass when they adopt an innovation.
- (A) Early adopters (B) Innovators
(C) Late majority (D) None of these
175. Which Extension teaching method has been used mainly for Integrated Pest and Crop Management (IPCM) programmes ?
- (A) Exhibition (B) Campaign
(C) Farmers Field School (FFS) (D) Symposium
176. An individual in the social system became successful and influential in changing a negative opinion of farmers on improved variety is known as
- (A) Political leader (B) Game changer
(C) Local leader (D) Key communicator

177. An automated telephony system that interact with callers, gathers information and routes calls to the appropriate recipient is called as
- (A) Kisan call centre
 - (B) Expert System
 - (C) Interactive Voice Response System (IVRS)
 - (D) Wireless Sensor network.
178. Training Asst. Directors of Agriculture on team building, coordination, planning and interpersonal communication etc. come under ____ category of Training.
- (A) Managerial Training
 - (B) Technical Training
 - (C) On-job training
 - (D) Refresher Training
179. What is the sub-theme for empowerment of women through strengthening interventions for women under "Mission Shakti" by Govt of India ?
- (A) Samarthya
 - (B) Sambal
 - (C) Samisti
 - (D) None of these
180. A Grass-roots level agricultural extension centre in India, established by Indian Council of Agricultural Research (ICAR) to transfer agricultural technologies to farmers is
- (A) Agriculture technology centre
 - (B) Indian Institute of Rice Research
 - (C) Krishi Vigyan Kendra
 - (D) Farmers Training Centre.

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