SI. No. 9 40002222

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| Register<br>Number |  | 1 |   |   |   |   |

## 2014 AGRICULTURE

Time Allowed: 3 Hours]

[Maximum Marks: 300

Read the following instructions carefully before you begin to answer the questions.

#### IMPORTANT INSTRUCTIONS

- 1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open it at the commencement of the examination. As soon as the signal is received you should tear the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
- 2. This Question Booklet contains 200 questions. Prior to attempting to answer the candidates are requested to check whether all the questions are there in series without any omission and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed it shall be reported to the Invigilator within first 10 minutes.
- 3. Answer all questions. All questions carry equal marks.
- 4. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
- 5. An answer sheet will be supplied to you separately by the invigilator to mark the answers.
- 6. You will also encode your Register Number, Subject Code, Question Booklet Sl. No. etc. with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, action will be taken as per commission's notification.
- 7. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
- 8. In the Answer Sheet there are four circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. If for any item, (B) is the correct answer, you have to mark as follows:



- 9. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination.

  After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
- 10. The sheet before the last page of the Question Booklet can be used for Rough Work.
- 11. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
- 12. In all matters and in cases of doubt, the English Version is final.
- 13. Do not tick-mark or mark the answers in the Question booklet.

# SPACE FOR ROUGH WORK

ACFAG

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| 1. | India |  | tant agricult | cural or norticultural products exported by |
|----|-------|--|---------------|---|
|    | (i)   | Black pepper   |               |   |
|    | (ii)  | Apple  |               |   |
|    | (iii) | Mango  |               |   |
|    | (iv)  | Jasmine  |               |   |
|    | Of th | ne above   |               |   |
|    | (A)   | (i), (ii) and (iii)                                  | VB            | (i), (iii) and (iv)                         |
|    | (C)   | (i), (ii) and (iv)                                   | (D)           | (i), (ii), (iii) and (iv)                   |
| 2. |       | first State Agricultural Universit<br>established in | y, G.B. Pan   | t University of agriculture and technology  |
|    | (A)   | 1952   | (B)           | 1959  |
|    | ve)   | 1960   | (D)           | 1961  |
| 3. | Inter | culture in Ground nut is avoided                     | at            |   |
|    | (A)   | Flowering stage                                      | (B)           | Pegging stage                               |
|    | (C)   | Seedling stage                                       | (D)           | None of these                               |
| 4. | GDP   | growth rate in 2011-12 is                            |               |   |
|    | (A)   | 10%  | <b>(B)</b>    | 15%   |
|    | (C)   | 20%  | (D)           | 25%   |
| 5. | Cont  | ribution of Agriculture to the tota                  | d value of co | ommodity exports in India is                |
|    | (A)   | Approximately 10%                                    | (B)           | Approximately 25%                           |
|    | (C)   | Approximately 30%                                    | (D)           | Approximately 35%                           |
| 6. | Crop  | logging technique is related to                      |               |   |
|    | (A)   | Maize  | OBS           | Sugar cane                                  |
|    | (C)   | Sugar beet   | (D)           | None of the above                           |
| 7. | Whic  | ch one of the following area (millio                 | on hectare) i | s classified as waste lands in India?       |
|    | ~(A)  | 175  | (B)           | 250   |
|    | (C)   | 75   | (D)           | 300   |
|    | (0)   |  |               |   |

| 8.  | Suga  | rcane pi       | roductiv | vity is hi | ghest i   | n                 | THE REAL PROPERTY OF THE PARTY |
|-----|-------|----------------|----------|------------|-----------|-------------------|---|
|     | (A)   | UP             |          |            |           | (B)               | Tamilnadu   |
|     | (C)   | Mahai          | rashtra  |            |           | (D)               | MP  |
| 9.  | Smal  | ll farme       | rs devel | opment     | agency    | was implemen      | ated during the period of   |
|     | (A)   | Third          | five yea | ar plan    |           | (B)               | Fourth five year plan   |
|     | (C)   | Fifth f        | ive yea  | r plan     |           | (D)               | Sixth five year plan  |
| 10. | With  | regard         | to total | wheat p    | roduct    | tion, India's pos | sition in the world is  |
|     | (A)   | First          | + 400    |            |           | (8)               | Second  |
|     | (C)   | Third          |          |            |           | (D)               | Fifth   |
| 11. | Land  | l Equiva       | lent Ra  | tio (LEF   | R) is rel | lated to          |   |
|     | SAS   | Inter          | croppin  | g          |           | (B)               | Sequential cropping   |
|     | (C)   | Ratoo          | ning     |            |           | (D)               | None of the above   |
| 12. | The   | beetle zy      | ygogran  | nma bico   | lorata    | is used to contr  | rol the weed  |
|     | (A)   | Water          | hyacin   | th         |           | JBS               | Parthenium  |
|     | (C)   | Triant         | thema    |            |           | (D)               | Cyprus  |
| 13. | In th | ne world       | India's  | position   | in the    | total cereal pr   | oduction  |
|     | (A)   | Third          |          |            |           | · (B)             | Second  |
|     | (C)   | First          |          |            |           | (Ď)               | Fifth   |
| 14. | Mate  | ch the c       | rop cor  | rectly wi  | th the    | major produci     | ng state and select your answer using the   |
|     | code  | s given l      | below:   |            |           |                   |   |
|     |       | Crop           |          |            |           | State             |   |
|     | (a)   | Grapes         | 3.       |            | 1.        | Bihar             |   |
|     | (b)   | Pepper         |          |            | 2.        | Maharashtra       |   |
|     | (c)   | Apple          | *        |            | 3.        | Kerala            |   |
|     | (d)   | Guava<br>Codes |          |            | 4.        | Himachal Pra      | adesh   |
|     |       |                |          |            |           |                   |   |
|     |       | (a) ·          | (b)      | (c)        | (d)       |                   |   |
|     | (A)   | 1              | 3        | 4          | 2         |                   |   |
|     | (B)   | 2              | 3        | 1          | 4         |                   |   |
|     | (C)   | 4              | 3        | 2          | 1         |                   |   |

| 15. | Whic  | h Indian state ranks first in the produ    | ction c | of coffee?                             |
|-----|-------|--|---------|--|
|     | (A)   | Kerala                                     | (B)     | Tamilnadu .                            |
|     | JOY   | Karnataka                                  | (D)     | Maharashtra                            |
| 16. | The   | uppermost layer of atmosphere is           |         |  |
|     | (A)   | Troposphere                                | (B)     | Mesosphere                             |
|     | (C)   | Stratosphere                               | JOH     | Thermosphere                           |
| 17. | The p | practice of allowing the regrowth of the   | plant   | ed crop is known as                    |
|     | (A)   | Mixed cropping                             | (B)     | Ratooning                              |
|     | (C)   | Sequential cropping                        | (D)     | Intercropping                          |
| 18. | Dehu  | ılled rice grain is known as               |         |  |
|     | (A)   | White rice                                 | (B)     | Brown rice                             |
|     | (C)   | Red rice                                   | (D)     | Grey rice                              |
| 19. | Agric | culture which encompassing of              |         |  |
|     | (A)   | Crop production and livestock farming      | (B)     | Fisheries                              |
|     | (C)   | Forestry                                   | JOH     | All the above                          |
| 20. | Atmo  | osphere extends up to a height of          |         |  |
|     | (A)   | 600 km                                     | JBI     | 1600 km                                |
|     | (C)   | 6000 km                                    | (D)     | 240 km                                 |
| 21. | Gree  | n revolution has been most successful      | in      |  |
|     | (A)   | Wheat and potato                           | (B)     | Wheat and rice                         |
|     | (C)   | Tea and coffee                             | (D)     | Barley and rice                        |
| 22. | In wh | nich of the following state cotton grown   | as rai  | infed crop gets highest yield?         |
|     | (A)   | Maharashtra                                | (B)     | Haryana                                |
|     | 100   | Gujarat                                    | (D)     | Punjab                                 |
| 23. | The l | N fertilizer use efficiency in rice can be | increa  | ased by using                          |
|     | (A)   | S-coated urea                              | (B)     | Urea super granules                    |
|     | (C)   | BGA  | SOOT    | Both (A) and (B)                       |
| 24. | Whic  | h of the following pulse crops is used a   | s a pu  | lse, a fodder and a green manure crop? |
|     | (A)   | Moong                                      | (B)     | Urd                                    |
|     | 40%   | Cowpea                                     | (D)     | Pea                                    |

| 25. | Asser      |   | -            | in Tamilnadu increased from 270 kgs/ha and subsequently declined since \$01-02. |
|-----|------------|---|--------------|---|
|     | Reas       | on (R): The above subsequent de to pest and diseases. | ecline in    | productivity of total pulses is mainly due                                      |
|     | Optio      | ons:  |              |   |
|     | (A)        | Both (A) and (R) are true and (R) is                  | the cor      | rect explanation of (A)   |
|     | (B)        | Both (A) and (R) are true but (R) is                  | not the      | correct explanation of (A)  |
|     | Jes        | (A) is true but (R) is false                          |              |   |
|     | (D)        | (A) is false but (R) is true                          |              |   |
| 26. | Gree       | n Revolution was successfully imple                   | nented i     | n which five year plan?   |
|     | (A)        | II  | (B)          | III .   |
| 1   | /(C)       | IV  | (D)          | V   |
| 27. | India      | a is the largest producer, consumer a                 | nd expor     | ter of  |
|     | (A)        | Rice  | (B)          | Wheat   |
|     | (C)        | Sugarcane   | (D)          | Spices  |
| 28. | Tent       | h five year plan of government of Ind                 | lia was e    | executed during the period  |
|     | (A)        | 2001-2006   | <b>√</b> (B) | 2002-2007   |
|     | (C)        | 2000-2005   | (D)          | 2003-2008   |
| 29. | Whic       | ch two districts have lesser area unde                | er cotton    | and sugarcane cultivation?  |
|     | (A)        | Salem and Thiruvannamalai                             | (B)          | Thiruvallur and Cuddalore   |
|     | <b>(6)</b> | Kancheepuram and Thiruvallur                          | (D)          | Cuddalore and Thiruvannamalai   |
| 30. | Pher       | comone trap attracts                                  |              |   |
|     | (A)        | Male bug  | (B)          | Female moth   |
|     | _(C)       | Male moth   | (D)          | Female bug  |
| 31. | "Whi       | iptail" is a malady associated with th                | e nutrie     | nt  |
|     | √(A)       | Molybdenum  | (B)          | Manganese   |
|     | (C)        | Zinc  | (D)          | Copper  |
| 32. | Whic       | ch of the following elements are cons                 | idered a     | s energy storers?   |
|     | (A)        | Hydrogen, oxygen, sodium and bor                      | ron          |   |
|     | <b>(B)</b> | Carbon, nitrogen, phosphorus and su                   | lphur        |   |
|     | (C)        | Potassium, calcium and magnesium                      | m            |   |
|     | (D)        | Iron, manganese, molybdenum, copp                     | er and zi    | nc ·  |

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| 33  | . Wh         | ich one            | e of the f | ollowing     | catego  | ries of drou | ght i  | s associated with high salt concentration?               |
|-----|--------------|--------------------|------------|--------------|---------|--------------|--------|--|
|     | ZUS          | Phy                | siologica  | al drough    | t       |              | (B)    | Soil drought   |
|     | (C)          | Agr                | icultura   | drought      |         |              | (D)    | Hydrological drought                                     |
| 34  | . Wh         | ich of t           | he follow  | ving insti   | tutes i | n India wo   | rks fo | or dryland agriculture?                                  |
|     | (i)          | CRI                | IDA        |              |         |              |        |  |
|     | (ii)         | ICR                | RISAT      |              |         |              |        |  |
|     | (iii)        | API                | EDA        |              |         |              |        |  |
|     | (iv)         | DA                 | NIDA       |              |         |              |        |  |
|     | Of           | the abo            | ve         | THE SEA      |         |              |        |  |
|     | √(A)         | (i) a              | ind (ii)   |              |         |              | (B)    | (ii) and (iii)   |
|     | (C)          | (iii)              | and (iv)   |              |         |              | (D)    | (i) and (iv)   |
| 35  | . Am         | monia              | is transf  | ormed in     | to nit  | rate by      |        |  |
|     | (A)          | Alg                | ae         |              |         | ~            | (B)    | Bacteria   |
|     | (C)          | Fun                | ngi        |              |         |              | (D)    | Actinomycetes  |
| 36  | . Nit        | rogen f            | ixing bio  | fertilizer   | s may   | be used in   | padd   | y crop as  |
|     | (A)          | See                | d treatm   | ent          |         | 100          | (B)    | Seedling root dip  |
|     | (C)          | Bro                | adcastin   | g            |         | ~            | (D)    | All of the above   |
| 37  |              | ich one<br>nufactu |            | followin     | g is t  | he minimu    | ım re  | equirement of Rhizobium at the time of                   |
|     | √(A)         | 10 <sup>8</sup>    | viable ce  | lls/g of the | carrie  | r on dry wt  | (B)    | 10 <sup>7</sup> viable cells/g. of the carrier on dry wt |
|     | (C)          |                    |            | -            |         | er on dry wt |        | None of this   |
| 38. | Gre          | en mar             | nure cro   | s in 50-6    | 0 days  | can able to  | n acci | umulate  |
|     | (A)          |                    | g N/ha     |              |         |              | (B)    | 90 kg N/ha   |
|     | (C)          |                    | kg N/ha    |              |         |              | (D)    | 60 kg N/ha   |
| 39. | Mat          | tch the            | followin   | g and sel    | ect the | correct cod  | le :   |  |
|     | (a)          |                    | nic man    |              | 1.      | Sesbania     |        | eata   |
|     | (b)          |                    | n manur    |              | 2.      | Compost      |        | cata   |
|     | (c)          |                    | n leaf m   |              | 3.      | Pongami      |        | <u>bra</u>   |
|     |              |                    |            | 111-61       |         |              |        |  |
|     | . 1          | (a)                | (b)        | (c)          |         |              |        |  |
|     | (A)          | 2                  | 3          | 1            | 1       |              |        |  |
|     | (B)          | 1                  | 2          | 3            |         | 10 10 10     |        |  |
|     | <b>√</b> (C) | 2                  | 1          | 3            |         |              |        |  |
|     | (D)          | 3                  | 1          | 2            |         |              |        |  |

Which of the following variety of Blackgram is recommended for rice fallows?

40.

| -   | (A)          | ADT3                                     | (B)          | Т9                                      |
|-----|--------------|--|--------------|---|
|     | (C)          | CO1                                      | (D)          | CO2                                     |
| 41. | The r        | ratio of oil to seed in sunflower is     |              |   |
| 1   | /(A)         | 40%                                      | (B)          | 28%                                     |
|     | (C)          | 60%                                      | (D)          | 20%                                     |
| 42. | Wate         | er requirement for sugar cane is         |              |   |
| 1   | (A)          | 1100 mm                                  | (B)          | 900 mm                                  |
| V   | /(C)         | 2500 mm                                  | (D)          | 1600 mm                                 |
| 43. | The r        | required row spacing for the use of re   | otary wee    | eder in transplanted rice is            |
|     | (A)          | 30 cm                                    | (B)          | 10 cm                                   |
|     | <b>√</b> (C) | 20 cm                                    | (D)          | 15 cm                                   |
| 44. | Whic         | ch of these will add calcium to the so   | il withou    | t changing the soil pH?                 |
|     | (A)          | Lime                                     | (B)          | Gypsum                                  |
| ,   | /(C)         | Superphosphate                           | (D)          | Dolomite                                |
| 45. | The          | average composition of Humus is          |              |   |
|     | (A)          | Carbon 30%, Oxygen 30%, Nitroge          | n 20%, H     | lydrogen 10%, Ash 10%                   |
|     | √(B)         | Carbon 50%, Oxygen 35%, Nitroge          | en 5%, Hy    | ydrogen 5%, Ash 5%                      |
|     | (C)          | Carbon 40%, Oxygen 30%, Nitroge          | en 20%, H    | Iydrogen 5%, Ash 5%                     |
|     | (D)          | None of the above                        |              |   |
| 46. |              | t efficient land management practic      | e evolved    | by ICRISAT for moisture conservation in |
|     | (A)          | Narrow bed conservation system           | <b>√</b> (B) | Broad bed furrow system                 |
|     | (C)          | Furrow improvement system                | (D)          | Moisture conservation system            |
| 47. | Mois         | sture index is calculated by using       |              |   |
|     | (A)          | $MI = \frac{P}{PET}$                     | (B)          | $MI = PET \times P_{\perp}$             |
|     | <b>√</b> (C) | $MI = \frac{P - PET}{PET}$               | (D)          | MI = P - PET                            |
| 48. | Wea          | kly joining of soil particle is referred | l to as      |   |
|     | (A)          | Granular structure                       | <b>(B)</b>   | Crumb structure                         |
|     | (C)          | Platy structure                          | (D)          | None of the above                       |
| ACI | FAG          |  | 8            |   |

| 49. | tegr   | rated nutrition management is the uses of                                       |   |
|-----|--------|---|---|
|     | (A)    | Organic wastes available in the farm (B)  | Organic manures and inorganic fertilizers                 |
|     | (C)    | Bio-fertilizers DY  | All the above components                                  |
| 50. | The b  | lanket fertilizer recommendation for irrigate                                   | ed Ragi crop is   |
|     | (A)    | $100 \text{ Kg N} : 50 \text{ kg } P_2O_5 : 50 \text{ Kg } K_2O/\text{Ha} $ (B) | 200 Kg N : 100 kg ${\rm P_2O_5}$ : 100 Kg ${\rm K_2O/Ha}$ |
|     | (0)    | 60 Kg N: 30 kg P <sub>2</sub> O <sub>5</sub> : 30 Kg K <sub>2</sub> O/Ha (D)    | 20 Kg N : 15 kg $P_2O_5$ : 15 Kg $K_2O/Ha$                |
| 51. |        | all of more than 30 cm per month for atleas                                     | t three consecutive months is suitable for                |
|     | (A)    | Sugarcane   | Paddy   |
|     | (C)    | Sunhemp (D)   | Groundnut   |
| 52. | Mech   | anical measures of soil conservation include                                    |   |
|     | (i)    | Contour bunding   |   |
|     | (ii)   | Bench terracing   |   |
|     | (iii)  | Check dams  |   |
|     | (iv)   | Percolation ponds   |   |
|     | (A)    | (i), (ii), (iv) (B)   | (i), (iii), (iv)  |
| . ~ | (C)    | (i), (ii), (iii) (D)  | All the four  |
| 53. |        | ectrical conductivity of less than one millimhant growth is                     | os per cm indicates that the soil condition               |
|     | (A)    | Above normal (B)  | Critical  |
|     | (C)    | Injurious   | Normal  |
| 54. | Cause  | es of soil salinity   |   |
|     | (i)    | The soluble salts are leached from high-lying                                   | ng to low-lying areas due to high rainfall.               |
|     | (ii)   | Irrigation of soils with saline water.  |   |
|     | (A)    | (i) is correct (B)  | (ii) is correct   |
| ~   | (C)    | Both are correct (D)  | Both are not correct                                      |
| 55. | Acid s | soils are characterised by a pH of  |   |
|     | (A)    | > 8 <b>\(\sqrt{(B)}\)</b>   | <6  |
|     | (C)    | 8 to 10 (D)   | 7 to 8  |

| 56. |                 | xture of dark coloured organic<br>dilute alkali and precipitated b |                | indefinite composition extracted from so          |
|-----|-----------------|--|----------------|---|
|     | (A)             | Vermicompost   | ✓(B)           | Humic acid  |
|     | (C)             | Compost  | (D)            | Farm yard manure                                  |
| 57. | Whice<br>fertil |  | arameters w    | ould give the best indication of genera           |
|     | (A)             | Phosphorous  | (B)            | Potassium   |
| 1   | /(C)            | Organic matter   | (D)            | Sulphur   |
| 58. | Weat            | ther forecasts for a period of one                                 | week is grou   | ped under   |
|     | (A)             | Quick forecasts  | (B)            | Short range forecasts                             |
| 1   | /(C)            | Medium range forecasts   | (D)            | Long range forecasts                              |
| 59. | Whic            | ch of the following is a multi pur                                 | rpose tree spe | cies?   |
|     | (A)             | Albizia amara  | (B)            | Azadirachta indica                                |
| 4.4 | (C)             | Albizia lebbeck  | <b>√</b> (D)   | All the above                                     |
| 60. | Alley           | cropping is known as   |                |   |
|     | (A)             | Ley system   | (B)            | Silvi-pastural system                             |
|     | (C)             | Food-cum-fruit system  | <b>√</b> (D)   | Hedgerow inter cropping                           |
| 61. | Cher            | nical used in cloud seeding/artif                                  | icial rainfall | is  |
|     | (A)             | Calcium chloride   | (B)            | Potassium iodide                                  |
|     | (C)             | Sodium chloride  | ✓(D)           | Silver chloride                                   |
| 62. | The             | formula to convert centigrade in                                   | nto Fahrenhei  | t is  |
|     |                 | $^{\circ}F = (^{\circ}C - 32) \times \frac{5}{9}$                  |                | $^{\circ}F = (^{\circ}C + 32) \times \frac{5}{9}$ |
|     | /(C)            | $^{\circ}F = ^{\circ}C \times \frac{9}{5} + 32$                    | (D)            | $^{\circ}F = ^{\circ}C \times \frac{9}{5} - 32$   |
| 63. | Lysi            | meter – A device used to measu                                     | re             |   |
|     | (A)             | Depth of water   | (B)            | Rate of flow of water                             |
| ,   | /(C)            | Evapotranspiration   | (D)            | Water temperature                                 |
| 64. | Clim            | natological information of partic                                  | ular area help | os to   |
|     | · (A)           | Develop irrigation design  | (B)            | Develop irrigation need                           |
|     | (C)             | Extract ground water   | (D)            | All the above                                     |

| 65. | n Ta  | amilnadu, the contribution o                               | f rainfall by the  | north east monsoon is                        |
|-----|-------|--|--------------------|--|
|     | (A)   | 22%  | <b>✓</b> (B)       | 48%  |
|     | (C)   | 66%  | (D)                | 78%.   |
| 66. | The   | length of crop growing seaso                               | n (days) in Cauve  | ery delta zone of Tamilnadu is               |
| -   | /(A)  | 100-120 days   | (B)                | 250-270 days                                 |
|     | (C)   | 165-180 days   | (D)                | 100-140 days                                 |
| 67. | How   | many Agro climatic zones an                                | re in Tamilnadu?   |  |
|     | (A)   | Five   | <b>(B)</b>         | Seven  |
|     | (C)   | Eight  | (D)                | Nine   |
| 68. | Grov  | ving two or more crops in the                              | same field simu    | ltaneous in definite proportion              |
|     | (A)   | Companion cropping   | (B)                | Sequential cropping                          |
| 1   | /(C)  | Inter cropping   | (D)                | Mixed cropping                               |
| 69. |       | name of the rice growing ilnadu is known as                | season betwee      | n the months of may to September in          |
|     | (A)   | Kuruvai  | (B)                | Kar  |
| -   | /(C)  | Swarnavari   | (D)                | Samba  |
| 70. |       | a well accepted conservation<br>staining fertility of soil | measure in cont    | rolling run-off and soil erosion and thereby |
| 1   | /(A)  | Strip cropping   | (B)                | Inter cropping                               |
|     | (C)   | Contour farming  | (D)                | Mixed cropping                               |
| 71. | In nu | uts and oil seeds, the limiting                            | g amino acid is    |  |
|     | (A)   | Threonine  | (B)                | Tryptophan                                   |
| -   | /(C)  | Lysine   | (D)                | Methionine                                   |
| 72. | Unde  | er drought conditions, plants                              | show increase in   |  |
|     | (A)   | Abscisic acid  | (B)                | Proline                                      |
|     | (C)   | Ethylene   | <b>√</b> (D)       | All the above                                |
| 73. | Whic  |  | ources is utilized | to the maximum for crop production in        |
|     | (A)   | Godaveri   | (B)                | Chambal                                      |
|     | (C)   | Chinav   | ✓(D)               | Ganga  |

| 74. | In 18 | 66, Mendel postulated laws of inhe                                  | ritance ba   | sed on his work with               |
|-----|-------|---|--------------|------------------------------------|
|     | (A)   | Drosophila  | (B)          | Field beans                        |
| -   | /(C)  | Garden pea  | (D)          | Pigeon pea                         |
| 75. | Mino  | r millets are rich source of  |              |                                    |
|     | (A)   | Proteins and vitamins   | (B)          | Vitamins and Tryptophan            |
|     | (C)   | Lysine and Tryptophan   | <b>√</b> (D) | Proteins and Lysine                |
| 76. | The s | science which is used for genetic im                                | provemen     | t of crop plants is referred to as |
|     | (A)   | Plant breeding  | (B)          | Science of crop improvement        |
|     | (C)   | Crop improvement technology   | (D)          | All the above                      |
| 77. | Cross | s of F1 with either of its parents is                               |              |                                    |
|     | (A)   | Test cross  | √(B)         | Back cross                         |
|     | (C)   | Direct cross  | (D)          | Polyhybrid cross                   |
| 78. | In pl | ant breeding, homozygous individu                                   | als are rep  | presented as                       |
| -   | √(A)  | RR or rr  | (B)          | HP or hp                           |
|     | (C)   | HH or hh  | (D)          | FF or ff                           |
| 79. | Cons  | ider the statements   |              |                                    |
|     | (1)   | Colchicine is most widely used for                                  | r chromos    | ome doubling                       |
|     | (2)   | It is a poisonous chemical isolate                                  | d from see   | eds and bulbs of crocus            |
|     | (3)   | Pure colchicine is C <sub>22</sub> H <sub>25</sub> O <sub>6</sub> N |              |                                    |
|     | (4)   | It blocks spindle formation   |              |                                    |
|     | Of th | nese  |              |                                    |
|     | ✓(A)  | All are correct   | (B)          | Four alone is correct              |
|     | (C)   | Two alone is correct  | (D)          | One and three are correct          |
| 80. | Bree  | ding methods for self-pollinated cro                                | ops are      |                                    |
|     | (i)   | Mass selection  |              |                                    |
|     | (ii)  | Pure line selection   |              |                                    |
|     | (iii) | Pedigree methods  |              |                                    |
|     | (iv)  | Back cross methods  |              |                                    |
|     | Of th | ne above  |              |                                    |
|     | (A)   | (i), (ii) and (iii)   | (B)          | (i), (iii) and (iv)                |
|     | (C)   | (i), (ii) and (iv)  | ~(0)         | (i), (ii), (iii) and (iv)          |
|     |       |   |              |                                    |

| 81. | Bull         | Bulk population breeding is suitable for |           |            |             |            |                     |                                     |  |  |
|-----|--------------|--|-----------|------------|-------------|------------|---------------------|-------------------------------------|--|--|
|     | (A)          | Flow                                     | er crops  | 3          |             | (          | B)                  | Vegetable crops                     |  |  |
|     | (C)          | Frui                                     | t crops   |            |             | 1          | <b>b</b> )          | Small grains                        |  |  |
| 82. | Lam          | arck p                                   | roposed   |            |             |            |                     |                                     |  |  |
|     | (A)          | Theo                                     | ory of Pa | ngenesis   |             | ()         | B)                  | Theory of Epigenesis                |  |  |
|     | (C)          | Perfe                                    | ormance   | theory     |             | ~          | b)                  | Theory of acquired characters       |  |  |
| 83. | Mos          | t comm                                   | only us   | ed test fo | r estimati  | ng GCA     | in c                | prop species is                     |  |  |
|     | (A)          | Prog                                     | eny test  |            |             | (          | B)                  | Top cross test                      |  |  |
|     | (C)          | Sing                                     | le cross  | test       |             | ~          | D)                  | Poly cross test                     |  |  |
| 84. | Dise         | ase an                                   | d pest re | esistance  | is govern   | ed by      |                     |                                     |  |  |
|     | (A)          | Oligo                                    | ogenes    |            |             |            | B)                  | Polygenes                           |  |  |
|     | (C)          | Mon                                      | ogene     | 4          |             | ~          | D)                  | All of the above                    |  |  |
| 85. | The          | term c                                   | ybrid re  | fers to th | e           |            |                     |                                     |  |  |
|     | (A)          | Som                                      | atic hyb  | rids       |             |            | B)                  | Gametic hybrids                     |  |  |
|     | (C)          | Som                                      | atic and  | gametic    | hybrids     | ()         | D)                  | None of these                       |  |  |
| 86. | Cott         | on is of                                 | ften cros | s pollina  | ted crop in | n which a  | boı                 | nt — percent of cross pollination   |  |  |
|     | occu         | rs.                                      |           |            |             |            |                     |                                     |  |  |
| -   | /(A)         | 25%                                      |           |            |             |            | B)                  | 40%                                 |  |  |
|     | (C)          | 50%                                      |           |            |             | (          | D)                  | 75%                                 |  |  |
| 87. | The          | flower                                   | part rer  | noved or   | made non    | -function  | al                  | during emasculation is              |  |  |
|     | (A)          | Anth                                     | ner       |            |             |            | B)                  | Calyx                               |  |  |
|     | (C)          | Coro                                     | lla       |            |             | <b>\(</b>  | D)                  | Ovary                               |  |  |
| 88. | Mat          | ch the                                   | followin  | g and sel  | ect the cor | rrect opti | on.                 |                                     |  |  |
|     |              | List I                                   |           | 1          |             | L          | ist                 | II                                  |  |  |
|     | (a)          | Agric                                    | ultural   | crop Qua   | rantine     |            |                     | R, Karnal                           |  |  |
|     | (b)          | Gene                                     | bank of   | wheat      |             | 2.         | Obs                 | solete cultivars                    |  |  |
|     | (c)          | Land race                                |           |            |             | 3.         | 3. NBPGR, New Delhi |                                     |  |  |
|     | (d)          | Impro                                    | oved var  | ieties of  | recent pas  | t 4.       | Pri                 | mitive cultivars                    |  |  |
|     |              | (a)                                      | (b)       | (c)        | (d)         |            |                     |                                     |  |  |
|     | (A)          | 1  | 3         | 4          | 2           |            |                     |                                     |  |  |
|     | (B)          | 2  | 1         | 3          | 4           |            |                     |                                     |  |  |
|     | (C)          | 2  | 3         | 4          | 1 '         |            |                     | WHEN YOU WE TO THE                  |  |  |
|     | <b>√</b> (D) | 3  | 1         | 4 .        | 2           |            |                     | 10日 11日 11日 11日 11日 11日 11日 11日 11日 |  |  |

| 89. | Whic        | ch one of the following is a b | orinjal variety resi | stant/tolerant to aphids?               |       |
|-----|-------------|--------------------------------|----------------------|---|-------|
|     | (A)         | Annamalai                      | (B)                  | Pusa Ruby                               |       |
|     | (C)         | Pusa Early Dwarf               | (D)                  | Rashmi                                  |       |
| 90. | East        | coast tall is a traditional va | ariety of            |   |       |
|     | (A)         | Sorghum                        | (B)                  | Palmyrah                                |       |
|     | <b>(</b> C) | Coconut                        | (D)                  | Oil palm                                |       |
| 91. | In T        | amilnadu, which of the fol     | lowing research c    | entres are evaluating/releasing sugar   | cane  |
|     | varie       | eties?                         |                      |   |       |
|     | (i)         | Sugarcane Breeding Insti       |                      |   |       |
|     | (ii)        | Sugarcane Research Stat        |                      |   |       |
|     | (iii)       | Agricultural Research Sta      |                      |   |       |
|     | (iv)        | Agricultural Research Sta      | ation, Aliyarnagar   |   |       |
|     | Of th       | ne above                       |                      |   |       |
|     | (A)         | (i) and (ii)                   | <b>√</b> (B)         | (i), (ii) and (iii)                     |       |
|     | (C)         | (i), (ii), (iii) and (iv)      | (D)                  | (i), (ii) and (iv)                      |       |
| 92. | Whic        | ch one of the following is a p | opular Cashewnu      | t variety cultivated in TamilNadu?      |       |
|     | (A)         | TMV - 12                       | (B)                  | CO -2                                   |       |
|     | (C)         | AU - 2                         | <b>√</b> (D)         | VRI – 2                                 |       |
| 93. | Kufr        | i Jyoti is a variety of        |                      |   |       |
|     | (A)         | Carrot                         | (B)                  | Cauliflower                             |       |
|     | <b>(0)</b>  | Potato                         | (D)                  | Rose                                    |       |
| 94. | The l       | headquarters of the union f    | or the protection of | of new plant varieties (UPOV) is locate | ed at |
|     | (A)         | Bangkok                        | <b>√</b> (B)         | Geneva                                  |       |
|     | (C)         | Moscow                         | (D)                  | Washington                              |       |
| 95. | Varia       | ation arising during tissue    | culture of plants is | s known as                              |       |
|     | (A)         | Mutation                       | (B)                  | Selection                               |       |
|     | ~(C)        | Somaclonal variation           | (D)                  | All the above                           |       |
| 96. | Clon        | ing means                      |                      |   |       |
|     | (A)         | Making an identical copy       | physically as well   | as genetically                          |       |
|     | (B)         | Exact replica of plants or     | animals replicate    | d asexually                             |       |
|     | (C)         | Deriving genetic matter f      | rom single parent    | s                                       |       |
|     | √(b)        | All the above                  |                      |   |       |
|     |             |                                |                      |   |       |

**ACFAG** 

| 97.  | The first recombinant DNA molecule was produced by                     |   |              |  |  |  |  |  |  |  |
|------|--|---|--------------|--|--|--|--|--|--|--|
|      |  | Stanley Cohen and H.Boyer                           | (B)          | T.N. Morgen                            |  |  |  |  |  |  |
|      | (C)  | Walter Sutton and T. Boveri                         | (D)          | Calgene                                |  |  |  |  |  |  |
| 98.  | Muta   | ation is due to change in gene beca                 | use of       |  |  |  |  |  |  |  |
|      | (A)  | Loss  | (B)          | Degeneration                           |  |  |  |  |  |  |
|      | (C)  | Addition  | √(B)         | All of these                           |  |  |  |  |  |  |
| 99.  | Gend   | omic imprinting occurs in                           |              |  |  |  |  |  |  |  |
|      | (A)  | Plants  | (B)          | Animals                                |  |  |  |  |  |  |
|      | (C)  | Humans  | <b>(D)</b>   | All of these                           |  |  |  |  |  |  |
| 100. | RFL  | P is a  | To best 1    |  |  |  |  |  |  |  |
|      | (A)  | Genetic marker                                      | √(B)         | Molecular marker                       |  |  |  |  |  |  |
|      | (C)  | Morphological marker                                | (D)          | Physcological marker                   |  |  |  |  |  |  |
| 101. | Phalaris minor is a major weed in                                      |   |              |  |  |  |  |  |  |  |
|      | (A)  | Rice  | (B)          | Maize                                  |  |  |  |  |  |  |
|      | <b>(</b> C)  | Wheat   | (D)          | Sorghum                                |  |  |  |  |  |  |
| 102. | Consider the statements.   |   |              |  |  |  |  |  |  |  |
|      | The state seed certification agencies perform the following functions: |   |              |  |  |  |  |  |  |  |
|      | (i) They select seed growers   |   |              |  |  |  |  |  |  |  |
|      | (ii)   | (ii) They carry out the requisite field inspections |              |  |  |  |  |  |  |  |
|      | (iii)  | (iii) They conduct seed test                        |              |  |  |  |  |  |  |  |
|      | (iv)   | They guide the seed growers on p                    | production   | , processing and distribution of seeds |  |  |  |  |  |  |
|      | Of th  | ne statements                                       |              |  |  |  |  |  |  |  |
|      | (A)  | (i) alone is correct                                | (B)          | (i) and (ii) are correct               |  |  |  |  |  |  |
|      | (C)  | (i), (ii) and (iii) are correct                     | ~(Q)         | All are correct                        |  |  |  |  |  |  |
| 103. | Mini   | mum isolation distance for founda                   | tion seed p  | roduction in field crops is            |  |  |  |  |  |  |
|      | (A)  | Two metres  | √(B)         | Three metres                           |  |  |  |  |  |  |
| 5.   | (C)  | Four metres   | (D)          | Five metres                            |  |  |  |  |  |  |
| 104. | Seed   | sample taken from laboratory san                    | nple for tes | eting is known as                      |  |  |  |  |  |  |
|      | (A)  | Primary sample                                      | (B)          | Composite sample                       |  |  |  |  |  |  |
|      | (C)  | Submitted sample                                    | <b>(b)</b>   | Working sample                         |  |  |  |  |  |  |
|      |  |   |              |  |  |  |  |  |  |  |

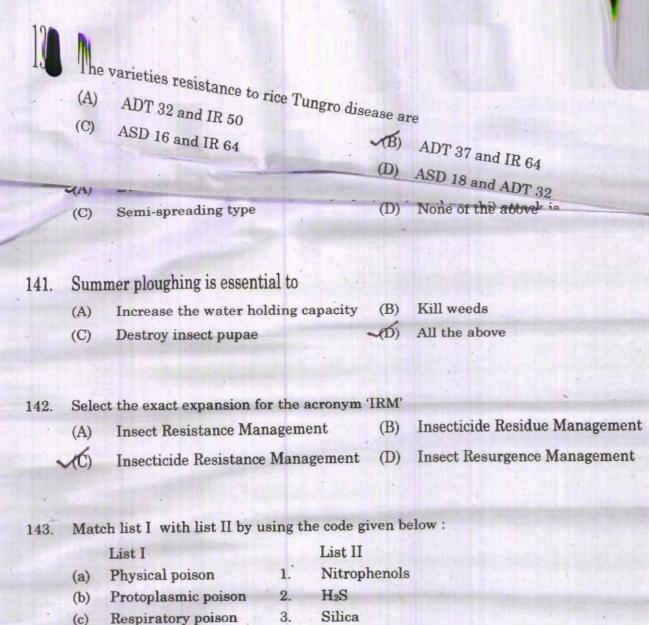
| 105. | Seed health tests may be done through |   |          |            |            |                 |              |                                   |  |  |  |
|------|---------------------------------------|---|----------|------------|------------|-----------------|--------------|-----------------------------------|--|--|--|
|      | (A)                                   | Visua   | al exami | nation     |            |                 | (B)          | Washing test                      |  |  |  |
|      | (C)                                   | Soaki   | ing      |            |            | +               | (D)          | Any one of the above              |  |  |  |
| 106. | The                                   | isolatio  | n distan | ce for ce  | rtified s  | seed pro        | duction      | n in cole crops is                |  |  |  |
|      | $\Lambda(A)$                          | 1500  | m        |            |            |                 | (B)          | 1000 m                            |  |  |  |
|      | (C)                                   | 500 n   | n        | -          |            |                 | (D)          | 100 m                             |  |  |  |
| 107. | Step                                  | s in see  | d multip | plication  | are as     | follows:        |              |                                   |  |  |  |
|      | (A)                                   | (i) Br  | eeder se | ed (ii) fo | undatio    | on seed         | (iii) reg    | gistered seed (iv) certified seed |  |  |  |
|      | (B)                                   | (i) Fo  | undatio  | n seed (ii | i) certifi | ied seed        | (iii) br     | reeder seed (iv) registered seed  |  |  |  |
|      | (C)                                   |   |          |            |            |                 |              |                                   |  |  |  |
|      | (D)                                   | (i) Re  | gistered | seed (ii)  | founda     | ation sec       | ed (iii)     | breeder seed (iv) certified seed  |  |  |  |
| 108. | Mat                                   | ch the c  | rops wit | h the res  | spective   | seed to         | ests. Se     | elect the correct code.           |  |  |  |
|      |                                       | Crop  |          |            |            | Seed t          | est          |                                   |  |  |  |
|      | (a)                                   | Sorgh   | um       |            | 1.         | Peroxidase test |              |                                   |  |  |  |
|      | (b)                                   | Wheat   |          |            | 2.         | NaOH            |              |                                   |  |  |  |
|      | (c)                                   | Soyab   |          |            | 3.         | PAGE            |              |                                   |  |  |  |
| ,    | (d)                                   | Cotton  |          |            | 4.         | KoH E           | 3 leach      | test                              |  |  |  |
|      |                                       | Codes   |          | - 19       |            |                 |              |                                   |  |  |  |
|      | 100                                   | (a)   | (b)      | (c)        | (d)        |                 | *            |                                   |  |  |  |
| ,    | (A)                                   | 4 1   | 2        | 1/         | 3          |                 |              |                                   |  |  |  |
|      | (B)                                   | 1   | 4        | 2          | 3          |                 |              |                                   |  |  |  |
|      | (C).                                  | 2   | 3        | 1          | 4          |                 |              |                                   |  |  |  |
|      | (D)                                   | 4   | 2        | 3          | 1          |                 |              |                                   |  |  |  |
| 109. | Whi                                   | ch is the   | e most u | seful me   | thod of    | detecti         | ng viru      | s infection in seeds?             |  |  |  |
|      | (A)                                   | Seed  | plating  |            |            |                 | (B)          | Phago test                        |  |  |  |
|      | <b>(C)</b>                            | ELIS  | A        |            |            |                 | (D)          | None of these                     |  |  |  |
| 110. | The                                   | ideal re  | quireme  | ents for g | good see   | ed are          |              |                                   |  |  |  |
|      | (A)                                   | Gene  | tic and  | physical   | purity     |                 | (B)          | Good germination                  |  |  |  |
|      | (C)                                   | Freedom from diseases and weeds (D) All the above |          |            |            |                 |              |                                   |  |  |  |
| 111. | The                                   | Seeds A   | Act was  | enacted l  | by the p   | arliam          | ent in t     | he year                           |  |  |  |
|      | (A)                                   | 1965  |          |            |            |                 | <b>√</b> (B) | 1966                              |  |  |  |
|      | (C)                                   | 1967  |          |            |            |                 | (D)          | 1968                              |  |  |  |
|      |                                       |   |          |            |            |                 |              |                                   |  |  |  |

| 112. | India      | n seed industry comprises of stat  | te seeds corp  | orations numbering         |       |
|------|------------|------------------------------------|----------------|----------------------------|-------|
| •    | (A)        | 10                                 | (B)            | 11                         |       |
|      | (C)        | 12                                 | <b>(</b> 0)    | 13                         |       |
| 113. | The to     | est used for quick testing of viab | ility of seeds | is                         |       |
|      | (A)        | Acid Fuchsin test                  | (B)            | Thiourea test              |       |
|      | (C)        | Tetrazolium test                   | (D)            | Succinic acid test         |       |
| 114. | For b      | reeder seed production, colour of  | f tag used in  | the field is               |       |
|      | (A)        | Blue                               | <b>(B)</b>     | Golden Yellow              |       |
|      | (C)        | White                              | (D)            | None of the above          |       |
| 115. | The s      | seed of rice contains 7 – 8% prote | ein which is l | ocated in?                 |       |
|      | (A)        | Aleurone layer                     | (B)            | Husk                       |       |
|      | (C)        | Inside the endosperm               | (D)            | Embryo                     |       |
| 116. | Whic       | ch one of the following herbicide  | is non-select  | ive in action?             |       |
|      | (A)        | Atrazine                           | (B)            | Butacheor                  |       |
|      | (C)        | Alachlor                           | <b>NO</b> )    | Paraquat                   |       |
| 117. | In na      | ature, insect pest population is k | ept under ch   | eck by factors such as     |       |
|      | (A)        | Topographic                        | (B)            | Climate                    | e li  |
|      | (C)        | Biotic                             | <b>(B)</b>     | All the above              |       |
| 118. | Pest       | surveillance comprises of          |                |                            |       |
|      | (A)        | One basic component                | (B)            | Two basic components       |       |
|      | <b>(C)</b> | Three basic components             | (D)            | More than three components |       |
| 119. | Spre       | ead of pest from one field to anot | her is largely | determined by              |       |
|      | (A)        | Rainfall                           | (B)            | Temperature                |       |
|      | (C)        | Humidity                           | ~(D)           | Wind current               |       |
| 120. | Nen        | natodes and wilt disease are maj   | or problems    | in the cultivation of      |       |
|      | (A)        | Chrysanthemum                      | (B)            | Crotons                    |       |
|      | ~(C)       | Crossandra                         | (D)            | Crotalaria                 |       |
|      |            |                                    | . 17           |                            | ACFAC |

| 121. | Com          | ponen              | es of mice  | 51 accu  | mocase mar   | lagement I | nerudes                        |  |  |
|------|--------------|--------------------|-------------|----------|--------------|------------|--------------------------------|--|--|
|      | (A)          | Sur                | veillance   |          |              | (B)        | Agronomic practices            |  |  |
|      | (C)          | Hos                | t plant re  | sistanc  | е            | ~80)       | All the above                  |  |  |
|      |              |                    |             |          |              |            |                                |  |  |
| 122. | Mat          | ch the             | following   |          |              |            |                                |  |  |
|      |              | Targe              | et function | n        |              | Syn        | Symptoms induced               |  |  |
|      | (a)          | Mobi               | lization o  | f stored | food         | 1. Ro      | 1. Root and foot rot           |  |  |
|      | (b)          | Abso               | rption of   | water n  | ninerals     | 2. Da      | amping off and seedling blight |  |  |
|      | (c)          | Wate               | r transpo   | rt and   | translocatio | on 3. Le   | af curl, whiteness broom       |  |  |
|      | (d)          | Meri               | stematic    | ctivity  |              | 4. Va      | scular wilt                    |  |  |
|      |              | (a)                | (b)         | (c)      | (d)          |            |                                |  |  |
|      | (A)          | 1                  | 2           | 3        | 4            |            |                                |  |  |
| -    | <b>√</b> (B) | 2                  | 1           | 4        | 3            |            |                                |  |  |
|      | (C)          | 4                  | 2           | 1        | 3            |            |                                |  |  |
|      | (D)          | 3                  | 1           | 2        | 4            |            |                                |  |  |
|      |              |                    |             |          |              |            |                                |  |  |
| 123. | Phy          | Phyllody in sesame |             |          | ed by        |            |                                |  |  |
|      | (A)          | (A) Bacteria       |             |          |              | (B)        | Insects                        |  |  |
|      | ~(C)         | Myc                | oplasma     |          |              | (D)        | Virus                          |  |  |
|      |              |                    |             |          |              |            |                                |  |  |
| 124. | The          | term i             | necrosis in | ndicate  |              |            |                                |  |  |
|      | (A)          | Cur                | ling        |          |              | (B)        | Blightening                    |  |  |
|      | (C)          | Altr               | ophy        |          |              | ~(D)       | Death of cells                 |  |  |
|      |              |                    |             |          |              |            |                                |  |  |
| 125. | Root         | t wilt o           | of coconut  | is incit | ed by        | * 1        |                                |  |  |
|      | (i)          |                    | hium        |          |              |            |                                |  |  |
|      | (ii)         |                    | arium       |          |              |            |                                |  |  |
|      | (iii)        |                    | noderma     |          |              |            |                                |  |  |
|      | (iv)         |                    | toplasma    |          |              |            |                                |  |  |
|      |              | he abo             |             |          | THE R        |            |                                |  |  |
|      |              |                    |             |          |              | (D)        | (ii) and (iii)                 |  |  |
|      | (A)          |                    | nd (ii)     |          |              | (B)        | (ii) and (iii)                 |  |  |
|      | ~(C)         | (m)                | and (iv)    |          |              | (D)        | (i) and (iv)                   |  |  |
| ACI  | CAC          |                    |             |          |              | 10         |                                |  |  |

| 126. | Little leaf disease in brinjal is caused by a |          |           |            |          |                 |                                 |  |  |  |  |
|------|---|----------|-----------|------------|----------|-----------------|---------------------------------|--|--|--|--|
|      | (A)   | Viru     | ıs        |            |          | (B)             | Fungus                          |  |  |  |  |
|      | <b>(</b> C)                                   | Phyt     | toplasm   | a          |          | (D)             | Bacterium                       |  |  |  |  |
| 127. | Whi   | ch one   | of the fo | ollowing   | is a pre | dominant nurs   | ery disease in vegetable crops? |  |  |  |  |
|      | (A)   | Antl     | nracnose  | 9          |          | (B)             | Blight                          |  |  |  |  |
|      | <b>(6)</b>                                    | Dam      | ping of   |            |          | (D)             | Rust                            |  |  |  |  |
| 128. | Fals  | se smut  | of rice   | is caused  | l by     |                 |                                 |  |  |  |  |
|      | (A)   | Scle     | rotinia s | clerotion  | um       | (B)             | Claviceps purpurea              |  |  |  |  |
|      | <b>√</b> (C)                                  | Clav     | riceps or | yzae sat   | ivae     | (D)             | <u>Ustilago</u> oryzae          |  |  |  |  |
| 129. | Tristeza disease is commonly found in         |          |           |            |          |                 |                                 |  |  |  |  |
|      | (A)   | Gua      | va        |            |          | (B)             | Grapes                          |  |  |  |  |
|      | (C)   | Citr     | us        |            |          | (D)             | Banana                          |  |  |  |  |
| 130. | Pres  | sence of | f 'bore h | ole' at th | e base   | of sorghum ster | n is caused by                  |  |  |  |  |
|      | (A)   |          | ilooper   |            |          | (B)             | Stem borer                      |  |  |  |  |
|      | (C)   |          | roller    |            |          | (D)             | Gall fly                        |  |  |  |  |
| 131. | Mat   | ch the   | followin  | g:         |          |                 |                                 |  |  |  |  |
|      | (a)   |          | stem bor  |            | 1.       | Silver shoot    |                                 |  |  |  |  |
|      | (b)   | GLH      |           |            | 2.       | Hopper burn     |                                 |  |  |  |  |
|      | (c)   | Ear h    | ead bug   |            | 3.       | Yellow dwarf    |                                 |  |  |  |  |
|      | (d)   | Gall f   | ly        |            | 4.       | Black spot on   | the grain                       |  |  |  |  |
|      | (e)   | BPH      |           |            | 5.       | Deadheart       |                                 |  |  |  |  |
|      |   | (a)      | (b)       | (c)        | (d)      | (e)             |                                 |  |  |  |  |
|      | (A)   | 4        | 5         | 2          | 3        | 1               |                                 |  |  |  |  |
|      | (B)   | 2        | 3         | 4          | 1        | 5               |                                 |  |  |  |  |
|      | (C)   | 3        | 4         | 2          | 5        | 1               |                                 |  |  |  |  |
|      | (D)   | 1        | 2         | 3          | 4        | 5               |                                 |  |  |  |  |

| 132. | Rhin  | oceros beetle is a destructive pest of  | 1         |   |  |  |  |  |  |  |
|------|---|---|-----------|---|--|--|--|--|--|--|
|      | (A)   | Mango   | (B)       | Coconut                                 |  |  |  |  |  |  |
|      | (C)   | Citrus  | (D)       | Guava                                   |  |  |  |  |  |  |
|      |   |   |           |   |  |  |  |  |  |  |
| 133. | Nibb  | le and cut off in rice ear heads are du   | ue to     |   |  |  |  |  |  |  |
|      | (A)   | Ear head bug  | (B)       | Grass hopper                            |  |  |  |  |  |  |
|      | (C)   | Horned caterpillar  | (D)       | Leaf folder                             |  |  |  |  |  |  |
|      |   |   |           |   |  |  |  |  |  |  |
| 134. | Trac  | e the logical sequence in effective dis   | ease ma   | nagement                                |  |  |  |  |  |  |
|      | (A)   | Surveillance → quarantine → reg   | ulatory   | → exclusion → use of chemotherapeutants |  |  |  |  |  |  |
|      | (B)   | Surveillance $\rightarrow$ regulatory $\rightarrow$ excl                            | usion →   | quarantine → chemotherapeutants         |  |  |  |  |  |  |
|      | (C)   | Quarantine → surveillance → reg   | ulatory   | → exclusion → chemotherapeutants        |  |  |  |  |  |  |
|      | (D)   | Quarantine → regulatory → exclu   | sion →    | surveillance → chemotherapeutants       |  |  |  |  |  |  |
|      |   |   |           |   |  |  |  |  |  |  |
| 135. | To co   | To control whitefly in cotton, the number of yellow sticky traps required per ha is |           |   |  |  |  |  |  |  |
| .5   | (A)   | 20  | (B)       | 5                                       |  |  |  |  |  |  |
|      | (C)   | 40  | (0)       | 12                                      |  |  |  |  |  |  |
|      |   |   | 1 1       |   |  |  |  |  |  |  |
| 136. | In sugarcane cultivation, if the selt treatment is not done, the crop is prove to |   |           |   |  |  |  |  |  |  |
|      | (A)   | Early shoot borer   | (B)       | Mealy bugs                              |  |  |  |  |  |  |
|      | (6)   | Scale insects   | (D)       | Whitefly                                |  |  |  |  |  |  |
|      |   |   |           |   |  |  |  |  |  |  |
| 137. | The   | economic threshold level for rice sten  | n borer i | s                                       |  |  |  |  |  |  |
|      | JA)   | 10% dead heart  | (B)       | 12% dead heart                          |  |  |  |  |  |  |
|      | (C)   | 15% dead heart  | (D)       | 20% dead heart                          |  |  |  |  |  |  |
|      |   |   |           |   |  |  |  |  |  |  |
| 138. | Impo  | ortant components of insect pest man  | agemen    | t are                                   |  |  |  |  |  |  |
|      | (A)   | Cultural  | (B)       | Mechanical                              |  |  |  |  |  |  |
|      | (C)   | Biological  | (D)       | All the above                           |  |  |  |  |  |  |
|      | 1.0   |   |           |   |  |  |  |  |  |  |
| ACF  | AG  |   | 20        |   |  |  |  |  |  |  |



| (cc) | T TT OF | Cour Posso |        | 7.00 |                  |
|------|---------|------------|--------|------|------------------|
| (b)  | Proto   | plasmic    | poison | 2.   | H <sub>2</sub> S |
| (c)  | Respi   | ratory p   | oison  | 3.   | Silica           |
| (d)  | Nerve   | e poison   |        | 4.   | Pyrethrum        |
|      | (a)     | (b)        | (c)    | (d)  |                  |
| (A)  | 3       | 1          | 2      | 4    |                  |
| (B)  | 1       | 2          | 3      | 4    |                  |
| (C)  | 2       | 1          | 4      | 3    | 4                |
| (D)  | 3       | 2          | 4      | 1    |                  |
|      |         |            |        |      |                  |

144. Which one of the following is grouped under fumigants?

(A) HCH

Aluminium phosphide

(C) Methyl eugenol

(D) Isopropyl cresols

| 188  |       |   | VVVV       | .upscstudymatena  | is.com                                      |
|------|-------|---|------------|-------------------|---|
| 145. | Whic  | h one of the following                            | is corre   | ectly matched?    |   |
|      | (A)   | Arsenicals  | -          | Cycloate          |   |
|      | (B)   | Carbamates  | _          | Hexaflurate       |   |
|      | 46)   | Bipyridilliums                                    | -          | Paraquat          |   |
|      | (D)   | Phenols   | -          | Dalapon           |   |
| 146  | Whice | th of the following che                           | mical is   | mostly common     | dy used in India?                           |
| y at | (A)   | Insecticide                                       | illical is | (B)               | Herbicide                                   |
| 7    | (C)   | Acaricide   |            | (D)               | Fumigant                                    |
|      | (0)   | Acaricide   |            | (D)               | rumgant                                     |
| 147. | Whic  | ch herbicide is having                            | higher     | persistence in so | oil?  |
| ,    | (A)   | Atrazine  |            | (B)               | Pendimethalin                               |
|      | (C)   | Paraquat  |            | (D)               | 2, 4 – D                                    |
|      |       |   |            |                   |   |
| 148. | Rice  | weevil larvae feeds on                            | grains     |                   |   |
|      | LAS   | Internally  |            | (B)               | Externally                                  |
|      | (C)   | Broken grains                                     |            | (D)               | Scarving grains                             |
|      |       |   | •          |                   |   |
| 149. |       |   | storage    | pulses can be to  | reated with neem oil in the ratio of        |
|      | (A)   | 1:50  |            | (D)               | 1:100                                       |
|      | (C)   | 1:25  |            | (D)               | 1:5   |
| 150. |       | n storage space is god<br>nod of storage is known |            | not sufficient fo | ood grains are stored in the open air, this |
|      | (A)   | Open storage                                      |            | (B)               | Closed storage                              |
|      | 40)   | CAP storage                                       |            | (D)               | Bulk storage                                |

151. Bruchid beetle can cause pod damage in groundnut to the extent of

(A) 70 - 80%

(B) 80 – 90%

(C) 90 – 100%

(D) None of the above

| 150  | Hermetic principles are related to |                 |           |           |          |                  |     |   |       |  |
|------|------------------------------------|-----------------|-----------|-----------|----------|------------------|-----|---|-------|--|
|      | (A)                                | Soil            | pests     |           |          | (B)              | )   | Foliar pests                                |       |  |
|      | (C)                                | Spic            | ces pests |           |          | <b>√</b> 0       | )   | Stored grain pests                          |       |  |
|      |                                    |                 |           |           |          |                  |     |   |       |  |
| 153. | Key                                | eleme           | nts in w  | eed man   | agem     | ent are          |     |   |       |  |
|      | (A)                                | Pre             | vention   |           |          | (B)              | ),  | Control                                     |       |  |
|      | (C)                                | Era             | dication  |           |          | <b>4</b> 0       | 5   | All the above                               |       |  |
| 154. | Sola                               | risatio         | n is a w  | eed cont  | rol me   | ethod which con  | 10  | s under                                     |       |  |
| 101. | (A)                                |                 | mical co  |           | . 01 111 | (B)              |     | Biological control                          |       |  |
|      |                                    |                 |           |           |          |                  |     | Cultural control                            |       |  |
|      | Cor                                | Phy             | sical con | trol      |          | (D)              | ) . | Cultural control                            |       |  |
| 155. | Mate                               | ch the          | weed an   | d its typ | e and    | select the corre | ect | t code.                                     |       |  |
|      |                                    | Weed            | 1         |           |          | Туре             |     |   |       |  |
|      | (a)                                | Nut grass 1     |           |           | 1.       | Grassy           |     |   |       |  |
|      | (b)                                | Carpet weed 2   |           |           | 2.       | Aquatic          |     |   |       |  |
|      | (c)                                | Bermuda grass 3 |           |           | 3.       | Broad leaved     |     |   |       |  |
|      | (d)                                | Wate            | er hyacin | th        | 4.       | Sedges           |     |   |       |  |
|      |                                    | (a)             | (b)       | (c)       | (d       | )                |     |   |       |  |
|      | (A)                                | 1               | 3         | 4         | 2        |                  |     |   |       |  |
|      | (B)                                | 4               | 3         | 1         | 2        |                  |     |   |       |  |
|      | (C)                                | 1               | 4         | 3         | 2        |                  |     |   |       |  |
|      | (D)                                | 4               | 1         | 3         | 2        |                  |     |   |       |  |
| 156  | The                                | horbio          | rides whi | ich move  | from     | nlace of applic  | at  | ion to place which show ultimate effe       | at ia |  |
| 100. |                                    | vn as           | aces will | ich movi  | o mon.   | place of applic  | au  | ion to place which show distinate effective | CC 18 |  |
|      | (A)                                | Con             | tact herl | oicide    |          | (B)              | 1   | Translocated herbicide                      |       |  |
|      | (C)                                |                 |           |           |          | (D)              | )   | Non selective herbicide                     |       |  |
| 157  | Duta                               | ahlar           | annlianti | ion in w  | oo io -  | ffoativo against |     |   |       |  |
| 157. |                                    |                 |           | on m ri   | ce is e  | ffective against | 1   |   |       |  |
|      | (A)                                | Sed             |           |           |          | (B)              |     | Grasses                                     |       |  |
|      | (C)                                | Broa            | ad leaved | d weeds   |          | (D)              | )   | None of the above                           |       |  |

| 158. | Channel flowing irrigation water is measured by |   |                            |                        |  |  |  |  |  |  |
|------|---|---|----------------------------|------------------------|--|--|--|--|--|--|
|      | (i)   | Submerged orifice   |                            |                        |  |  |  |  |  |  |
|      | (ii)  | Pipe orifice  |                            |                        |  |  |  |  |  |  |
|      | (iii)   | Parshall flume  |                            |                        |  |  |  |  |  |  |
|      | (iv)  | V - Notches   |                            |                        |  |  |  |  |  |  |
|      | Of th   | e above   |                            |                        |  |  |  |  |  |  |
|      | (A)   | (i) and (ii)  | _081                       | (iii) and (iv)         |  |  |  |  |  |  |
|      | (C)   | (iii) alone   | (D)                        | (iv) alone             |  |  |  |  |  |  |
|      |   |   |                            |                        |  |  |  |  |  |  |
| 159. | Gas   | formed in biogas plan                                       | t is                       |                        |  |  |  |  |  |  |
|      | (A)   | Dithane .   | (B)                        | Ethane                 |  |  |  |  |  |  |
|      | (C)   | Indane  | (D)                        | Methane                |  |  |  |  |  |  |
|      |   |   |                            |                        |  |  |  |  |  |  |
| 160. | Iden  | tify the correct sequen                                     | nce of activities with reg | ard to silkworm rearin |  |  |  |  |  |  |
|      | (A)   | (A) Brushing → mounting → chawki rearing – late age rearing |                            |                        |  |  |  |  |  |  |
|      | (B)   | Mounting → brushi   | ing → chawki rearing -     | late age rearing       |  |  |  |  |  |  |
|      | (C)   | Mounting → chawk  | i rearing → late age re    | aring - brushing       |  |  |  |  |  |  |
|      | S   | Brushing → chawki rearing → late age rearing – mounting     |                            |                        |  |  |  |  |  |  |
|      |   |   |                            |                        |  |  |  |  |  |  |
| 161. | Choo  | se the correct answer                                       |                            |                        |  |  |  |  |  |  |
|      | A sir   | agle colony of Rock bee                                     | e yields upto              |                        |  |  |  |  |  |  |
|      | (A)   | 30 kg of honey  | (B)                        | 40 kg of honey         |  |  |  |  |  |  |
|      | 401   | 50 kg of honey  | (D)                        | 60 kg of honey         |  |  |  |  |  |  |
|      |   |   |                            |                        |  |  |  |  |  |  |
| 162. | A go  | od quality irrigation w                                     | vater should have an EC    | Cof                    |  |  |  |  |  |  |
|      | (A)   | < 4.5 ds/m  | ARI                        | < 1.5 ds/m             |  |  |  |  |  |  |
|      | (C)   | < 0.5 ds/m  | (D)                        | 3 to 5 ds/m            |  |  |  |  |  |  |
| ACF  | AG  |   | 24                         |                        |  |  |  |  |  |  |

Relative Yield Total (RYT) in cropping system is

(A)  $\frac{Y ba + Y bb}{Y aa + Y ab}$ 

(B)  $\frac{Y bb + Y ba}{Y aa + Y bb}$ 

(C)  $\frac{Y aa + Y bb}{Y ba + Y ba}$ 

- $\frac{\text{Y ab} + \text{Y ba}}{\text{Y aa} + \text{Y bb}}$
- 164. Choose the correct answer:

Apiculture is a subsidiary occupation and provides additional income to

- (A) Small farmers
- (B) Marginal farmers
- (C) Landless labourers
- All the above
- 165. Which state produces maximum mulberry silk?
  - (A) Karnataka
  - (B) Andhra Pradesh
  - (C) TamilNadu
  - (D) West Bengal
- 166. Which one of the following is correctly matched with the pebrine disease of silkworm?
  - (A) Beauveria

(B) Aspergillus

(Ø) Nosema

- (D) NPV
- 167. Which one of the following is the correct order of arrangement of the parts in a beehive from bottom to top?
  - Bottom boards, brood chamber, super chamber, roof
  - (B) Bottom board, super chamber, brood chamber, roof
  - (C) Bottom board, super chamber, roof
  - (D) None of the above

Consider the statements:

168.

|      | (i)   | Four types of silkw             | orm are reared in      | India.  |   |     |
|------|-------|---------------------------------|------------------------|---------|---|-----|
|      | (ii)  | 89% of total silk pr            | oduced in India co     | me fro  | om mulberry silk worm.                  |     |
|      | (A)   | Statement (i) and (             | ii) are wrong          |         |   |     |
|      | (B)   | Statement (i) is wron           | ng and (ii) is correct |         |   |     |
|      | (C)   | Statement (i) is corre          | ect and (ii) is wrong  |         |   |     |
|      | SON.  | Statement (i) and (             | ii) are correct        |         |   |     |
| 169. | The c | rops recommended f              | or the tannery was     | ste aff | fected soils are                        |     |
|      | (A)   | Tomato (PKM1) an                | d Brinjal              |         |   |     |
|      | (B)   | Rice (ASD16) and I              | Ragi (CO12)            |         |   |     |
|      | (C)   | Sunflower (CO4) an              | nd mustard             |         |   |     |
|      | DOS   | All the above                   |                        |         |   |     |
|      |       |                                 |                        |         |   |     |
| 170  | m- 1  | 11                              |                        |         |   |     |
| 170. | (A)   | and capability classe V to VIII | es suited for cultiva  | (B)     | II to IV                                |     |
|      | 1     | I to IV                         |                        |         | VI to VIII                              |     |
|      | JOY.  | 1 10 14                         |                        | (D)     | V1 to VIII                              |     |
|      |       |                                 |                        |         |   |     |
| 171. | DFL   | is related to                   |                        |         |   |     |
|      | JAT   | Silkworm                        |                        | (B)     | Earth worm                              |     |
|      | (C)   | Honey bee                       |                        | (D)     | Soil pests                              |     |
| 172. | Unit  | of radient energy is            |                        |         |   |     |
|      | (A)   | Langley                         |                        | (B)     | Lysi                                    |     |
|      | (C)   | Isotach                         |                        | (D)     | Isobel                                  |     |
|      |       |                                 |                        |         |   |     |
| 173. |       | ring of two or more co          | rops simultaneous      | ly on t | the same piece of land without definite | row |
|      | (A)   | Inter cropping                  |                        | (B)     | Multiple cropping                       |     |
|      | JOY   | Mixed cropping                  |                        | (D)     | Sequence cropping                       |     |
|      |       |                                 |                        |         |   |     |
| ACF  | AG    |                                 | 26                     |         |   |     |

| 14.  | Stiff  | Stiffling is the process involved in                    |                    |   |  |  |  |
|------|--------|---|--------------------|---|--|--|--|
|      | (A)    | Apiculture  | (B)                | Lac culture                               |  |  |  |
|      | (O)    | Sericulture   | (D)                | Vermi culture                             |  |  |  |
| 175. | The c  | ountry plough produced in on                            | e of the following | ng places is very famous in Tamil Nadu    |  |  |  |
|      | (A)    | Thiruppachethi  | (B)                | Melur                                     |  |  |  |
|      | (C)    | Kangeyam  | (D)                | Cholavandhan                              |  |  |  |
| 176. | All si | lkworms belong to the insect                            | order              |   |  |  |  |
|      | (A)    | Hemiptera   | (B)                | Lepidoptera                               |  |  |  |
|      | (C)    | Coleoptera  | (D)                | Hymenoptera                               |  |  |  |
| 177. | Whiel  | h one of the following impleme                          | ents is not used   | for wet land operations?                  |  |  |  |
|      | (A)·   | Helical blade puddler                                   | (B)                | Green manure trampler                     |  |  |  |
|      | (C)    | Cage wheel  | con'               | Junior hoe                                |  |  |  |
| 178. |        | vice for measuring percolate                            | ion and leachi     | ng losses from a column of soil under     |  |  |  |
|      | (A)    | Infiltrometer   | (B)                | Evaporimeter                              |  |  |  |
|      | (C)    | Psycrometer   | or                 | Lysimeter                                 |  |  |  |
| 179. | Farm   | management is a   |                    |   |  |  |  |
|      | (A)    | Physical science  | (B)                | Biological science                        |  |  |  |
|      | (C)    | Social science  | . Or               | None of the above                         |  |  |  |
| 180. |        | value of seeds and plants,<br>tion charges are known as | manures and        | fertilizers, insecticides, fungicides and |  |  |  |
|      | (A)    | Variable cost   | (B)                | Fixed cost                                |  |  |  |
|      | ver    | Input cost  | (D)                | Machinery cost                            |  |  |  |

181.

Regional rural banks are financed by

|   | (A)  | Nationalized banks           | (B)               | Government of India                    |  |  |
|---|--|------------------------------|-------------------|--|--|--|
|   | (C)  | Reserve Bank of India        | . Or              | All the above                          |  |  |
|   |  |                              |                   |  |  |  |
| 182.                                      | SLR  | neans                        |                   |  |  |  |
|   | JAY  | Statutory Liquidity Ratio    |                   |  |  |  |
|   | (B)  | Standard Liquidity Ratio     |                   |  |  |  |
|   | (C)  | Systamatic Lending Ratio     |                   |  |  |  |
|   | (D)  | Subsidised Lending Rate      |                   |  |  |  |
| 183.                                      | Value  | Added Tax (VAT) was first    | introduced in     |  |  |  |
|   | (A)  | Sri Lanka                    | (B)               | Bangladesh                             |  |  |
|   | vor  | France                       | (D)               | India                                  |  |  |
|   |  |                              |                   |  |  |  |
| 184.                                      | Choos  | se the correct answer.       |                   |  |  |  |
|   | The n  | ninimum support price syste  | em for agricultur | al commodities was started in the year |  |  |
|   | (A)  | 1962                         | (B)               | 1963                                   |  |  |
|   | (C)  | 1964                         | . Or              | 1965                                   |  |  |
|   |  |                              |                   |  |  |  |
| 185.                                      | The n  | new name of Agricultural Pri | ces Commission    | is                                     |  |  |
|   | (A) Commission for farm costs and prices   |                              |                   |  |  |  |
|   | Commission for agricultural costs and prices   |                              |                   |  |  |  |
|   | (C) Commission for agricultural costs  |                              |                   |  |  |  |
| (D) Commission for Kisan costs and prices |  |                              |                   |  |  |  |
|   |  |                              |                   |  |  |  |
| 186.                                      | The agricultural sector contributed to our foreign exchange resources by                 |                              |                   |  |  |  |
|   | (A) Earning foreign exchange through export  (B) Conserving through import substitutions |                              |                   |  |  |  |
|   |  |                              |                   |  |  |  |
|   | (2) Both of (A) and (B)  |                              |                   |  |  |  |
| (D) None of the above                     |  |                              |                   |  |  |  |
| ACE                                       | FAG  |                              | 28                |  |  |  |

| 18   | 8 The primary role of MANAGE is to                                     |  |         |                             |  |
|------|--|--|---------|-----------------------------|--|
|      | (A)  | Develop management skills              | (B)     | Generate employment         |  |
|      | (C)  | Promote entrepreneurship               | (D)     | Promote spiritual talent    |  |
|      |  |  |         |                             |  |
| 188. | 3. The toll free telephone number of the Kisan call centre is          |  |         |                             |  |
|      | (A)  | 1515                                   | (B)     | 1551                        |  |
|      | (C)  | 5115                                   | (D)     | 5151                        |  |
|      |  |  |         |                             |  |
| 189. | 89. The central sector scheme women in agriculture was launched during |  |         |                             |  |
|      | (A)  | Sixth five year plan                   | (B)     | Seventh five year plan      |  |
|      | (C)  | Eighth five year plan                  | (D)     | Ninth five year plan        |  |
|      | 4  |  |         |                             |  |
| 190. | A, B,  | C's of journalism stands for           |         |                             |  |
|      | (A)  | Accuracy, Brevity and Clarity          |         |                             |  |
|      | (B)  | Attractive, Brief and Clear            |         |                             |  |
|      | (C)  | Accuracy, Brief and Clarity            |         |                             |  |
|      | (D)  | None of the above                      |         |                             |  |
|      |  |  |         |                             |  |
| 191. | Chair  | man of planning commission is          |         |                             |  |
| 101. | (A)  | President                              | (B)     | Appointed by President      |  |
|      | (05)   | Prime Minister                         | (D)     | Appointed by Prime Minister |  |
|      |  | Time minore                            | (-)     |                             |  |
| 100  | VAT  |  |         |                             |  |
| 192. |  |  | (B)     | Income tax                  |  |
|      | (A)  | Excise tax                             | (B)     |                             |  |
|      | vor.   | Indirect sales tax                     | (D)     | Direct additional tax       |  |
|      |  |  |         |                             |  |
| 193. | Plant  | ing of succeeding crop before harvesti | ing the | proceeding crop is known as |  |
|      | (A)  | Ratoon cropping                        | (B)     | Mono cropping               |  |
|      | (C)  | Sequence cropping                      | (0)     | Relay cropping              |  |

| 194.  | Which one of the following is a competitive market? |   |        |  |  |  |
|---|---|---|--------|--|--|--|
|   | SAS   | Perfect market                            | (B)    | Primary market                         |  |  |
|   | (C)   | Capital market                            | (D)    | Wholesale market                       |  |  |
|   |   |   |        |  |  |  |
| 195.  | In pu   | re competitive market, the demand cur     | ve is  | slopping                               |  |  |
|   | (A)   | Downward                                  | (B)    | Upward                                 |  |  |
|   | Jes .   | Straight to X-axis                        | (D)    | Parallel to Y-axis                     |  |  |
| 196.  | Area  | under cultivation in India is             |        |  |  |  |
|   | SAY   | 143. 0 m. ha                              | (B)    | 179.5 m. ha                            |  |  |
| +   | (C)   | 161.3 m. ha                               | (D)    | 185.2 m. ha                            |  |  |
| 197.  | Servi   | ces of a lead bank extend up to           |        |  |  |  |
|   | (A)   | Taluk level                               | (B)    | Block level                            |  |  |
|   | Jer .   | District level                            | (D)    | State level                            |  |  |
|   |   |   |        |  |  |  |
| 198. The instrument used for measuring depth of water table is known as |   |   |        | r table is known as                    |  |  |
|   | (A)   | Lysimeter                                 | (B)    | Odometer                               |  |  |
|   | ver   | Piezometer                                | (D)    | Evaporimeter                           |  |  |
| 199.  | Whiel   | h of the following is the latest milky mu | ıshroc | om variety released in Tamil Nadu?     |  |  |
|   | (A)   | MDU 2                                     | (B)    | CO 2                                   |  |  |
|   | ver   | APK 2                                     | (D)    | PKM 2                                  |  |  |
| 200.  | Grow  | ing of coconut, black pepper and ginger   | simu   | ltaneously in the same field is called |  |  |
|   | (A)   | Relay cropping                            | (B)    | Inter cropping                         |  |  |
|   | (C)   | Mixed cropping                            | (Dr    | Multistoreyed cropping                 |  |  |
|   |   |   |        |  |  |  |

#### SPACE FOR ROUGH WORK

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