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COMBINED COMPETITIVE (PRELIMINARY) EXAMINATION, 2011

Serial No.

000076

AGRICULTURE Code No. 01



Time Allowed: Two Hours

Maximum Marks: 300

INSTRUCTIONS

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES.
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- 4. This Booklet contains 120 items (questions). Each item comprises four responses (answers). You will select one response which you want to mark on the Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
- 5. In case you find any discrepancy in this test booklet in any question(s) or the Responses, a written representation explaining the details of such alleged discrepancy, be submitted within three days, indicating the Question No(s) and the Test Booklet Series, in which the discrepancy is alleged. Representation not received within time shall not be entertained at all. The Commission shall take appropriate decision on the representations received in accordance with the Rules which shall be final.
- You have to mark all your responses ONLY on the separate Response Sheet provided. See directions in the Response Sheet.
- All items carry equal marks. Attempt ALL items. Your total marks will depend only on the number of correct responses marked by you in the Response Sheet.
- 8. Before you proceed to mark in the Response Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Response Sheet as per instructions sent to you with your Admit Card and Instructions.
- While writing Centre, Subject and Roll No. on the top of the Response Sheet in appropriate boxes use "ONLY BALL POINT PEN".
- 10. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator only the Response Sheet. You are permitted to take away with you the Test Booklet.

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TVES

| 1. | Substitution napioids are referred to as: | | | | |
|-----|---|-------------|----------------------------------|-------------------|-----|
| | (A) $n+1$ | (B) | n-1 | | |
| | (C) $n-1+1$ | (D) | n + 2 | | |
| 2. | A cross of F, with its homozygous recess | ive pare | ent is known as | | |
| | (A) Back cross | - m | Reciprocal cross | -x D | |
| | (C) Test cross | | Top cross | | |
| 3. | When value is expressed in terms of mon- | ey, it is o | called: | | |
| | (A) Price | (B) | Cost | | |
| | (C) Service | (D) | Goods | | |
| 4. | The difference between the price paid by | the cons | sumer and the price received b | y the producer is | |
| | known as: | mani in | 16. (0) | | |
| | (A) Marketing efficiency | | Price -spread | | |
| | (C) Marketing cost | (D) | Marketing integration | | |
| 5. | A bale of cotton weighs: | | | | |
| | (A) 70 kg | | 100 kg | | |
| | (C) 170 kg | | 190 kg | | |
| 6. | The Chromosome theory of inheritance w | as first | postulated by : | | |
| | (A) Avery, McCarty and Mcleod | (B) | Morgan and Sturtevant | | |
| | (C) Sutton and Boveri | (D) | Frederick Griffith | | |
| 7. | Treatment of fruits and vegetables with h | not wate | er for a short period of time pr | ior to canning is | |
| | (A) Breathing | (B) | Hot pealing | | |
| | (C) Bleaching | (D) | Blanching | | |
| 8. | Which one of the following phytohormone | es contr | ol the apical dominance in plar | nts? | |
| | (A) Auxin | (B) | Cytokinin | | |
| | (C) Ethylene | (D) | Giberellin | | |
| 9. | Kharif, Rabi and Ziad words belong to: | | | | |
| | (A) Urdu | (B) | Persian | | |
| | (C) Arabic | (D) | French | | |
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| | | | | 122.11 0 | |

| 10. | Bee | keeping and rearing for honey product | ion is | known as: | | |
|-----|--------|---|---------|--|-----------|--|
| | (A) | Sericulture | (B) | Apiculture | | |
| | (C) | Silviculture | (D) | Olericulture | | |
| 11. | Whi | ich is the growth regulator which promo | tes fru | iit ripening? | | |
| | | GA ₃ | | Ethylene | | |
| | (C) | Auxin | (D) | Cytokinin | | |
| 12. | Frui | t drop is controlled by: | | bolles w it woman't grainest all bordeness | | |
| | | IBA | (B) | NAA | | |
| | | IAA | ` ' | GA ₃ | | |
| 13. | It is: | an important variety of cluster bean : | | | | |
| | | Pusa Falguni | (B) | Pusa Basmati | | |
| | | Pusa Nasdar | | Pusa Navbahar | | |
| 14. | Synt | thetic variety is developed by: | | mix (U) | | |
| | • | Crossing inbred lines tested for GCA | (B) | Mixing seeds of inbred lines | | |
| | | | | Mixing seeds of open pollinated cultiva | rs | |
| 15. | | ch one of the following processes is morants? | st adv | ersely affected by the deficiency of magne | esium | |
| | (A) | Defoliation | (B) | Upward translocation of nutrients | | |
| | (C) | Downward movement of nutrients | (D) | Photosynthesis and carbohydrate metab | olism | |
| 16. | Deve | elopment of fruit without fertilization is l | cnow | noi rein which the with that water for its said. | Imetical? | |
| | (A) | Polyembryony | (B) | Parthenogenesis | | |
| | (C) | Apomixis | (D) | References to the second of th | | |
| 17. | The | Mexican wheat varieties introduced in | India | in 1963 were : | | |
| | (A) | Kalyan Sona and Sonalika | (B) | S 308 and K 68 | | |
| | (C) | Lerma Rojo and Sonera 64 | (D) | HD 1982 and HD 2122 | | |
| 18. | Initia | al seed of an improved variety is called: | | | | |
| | (A) | Nucleus seed | (B) | Foundation seed | | |
| | (C) | Breeder seed | (D) | Certified seed | | |
| | | | | | | |

| | (A) | NGP Rao | (B) | B.P. Paul |
|-----|------|--|--------|--|
| | (C) | C.T. Patel | (D) | D.S. Athwal |
| | ` ' | | (-) | |
| 20. | The | molecular model of DNA was propos | ed by | ye geofic bull- |
| | (A) | Miescher | (B) | Punnet and Square |
| | (C) | Chargaff | (D) | Watson and Crick |
| 21. | Pow | dery mildew disease is caused by: | | |
| | (A) | Bacteria | (B) | Virus |
| | (C) | Fungus | (D) | Nematode |
| 22. | Sola | ar energy treatment of wheat seed is rec | omme | ended for the control of: |
| | (A) | Loose smut | (B) | Hill bunt |
| | (C) | Black rust | (D) | Karnal bunt |
| 23. | Lim | e is used for reclamation of: | | |
| | (A) | Acidic soil | (B) | Alkaline soil |
| | (C) | Calcareous soil | (D) | None of these |
| 24. | Tom | nato and cotton plants are: | | Assemble for the control of the cont |
| | | Short day plants | (B) | Day neutral plants |
| | (C) | Long day plants | (D) | |
| 25. | Tran | spiration will be maximum when soil is | | |
| | | Wet and atmosphere is dry | (B) | Dry and atmosphere is humid |
| | | Wet and atmosphere is humid | ٠,, | Dry and atmosphere is dry |
| 26 | | 1 01 011 1 1 | | |
| 26. | | ch of the following is a unitless measure | | |
| | ` ' | Standard deviation | | Coefficient of variation |
| | (C) | Mean deviation | (D) | Range |
| 27. | | ch of the following is not related to Exte | | |
| | | Heterogenous learners | | Vertical teaching |
| | (C) | Horizontal teaching | (D) | Voluntary participation |
| 28. | For | commercial cultivation of Banana which | h type | e of sucker is used? |
| | (A) | Sward sucker | (B) | Slips |
| | (C) | Water sucker | (D) | Croum |

19. Who developed world's first cotton hybrid?

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| 2 | 9. | Rep | lication of DNA occurs during | : | | | |
|----|----|------|-----------------------------------|-----------|--------|-----------------------------------|------------|
| | | (A) | Metaphase | | (B) | Telophase | |
| | | (C) | Interphase | | (D) | Anaphase | |
| 3 | 0. | PCF | R refers to: | | | | |
| | | (A) | Polymerase chain reaction | | (B) | Poly clonal response | |
| | | (C) | Poly coloured raddish | | (D) | Partially controlled reaction | |
| 3 | 1. | GM | O means: | | | | |
| | | (A) | Genetically mutated oats | | (B) | Genetically modified organism | |
| | | (C) | General Micro organisms | | (D) | Genetics of micro organisms | |
| 3 | 2. | Cen | tres of origin for different crop | s were gi | iven b | y: ouerei bese mod a Togmic de an | |
| | | (A) | Aristotle | | (B) | Darwin | |
| | | (C) | N.I. Vavilov | radica | (D) | G.H. Shull | |
| 3 | 3. | Alte | rnative form of a gene is know | n as : | | | |
| | | (A) | Allele | | (B) | Genome | |
| | | (C) | Pseudo-allele | | (D) | Isoallele | |
| 3 | 4. | Whi | ch blood group is considered a | s Univer | sal re | cepient? | |
| | | (A) | В | | (B) | A complete | |
| | | (C) | AB oversland | | (D) | O | |
| 3 | 5. | Who | gave the term heterosis? | | | Sallice modw paternoom od llaw | |
| | | (A) | Johnson | | (B) | Mendel | |
| | | (C) | Davenport | | (D) | Shull | |
| 30 | 6. | Whi | ch estimates of heterosis is of c | ommerc | ial or | practical value? | |
| | | (A) | | | (B) | Heterobeltiosis | |
| | | (C) | Economic heterosis | | (D) | Luxuriance | |
| 31 | 7. | - | and Ratna rice varieties contai | n the dw | - | | ship to do |
| | | | Dee-geo-woo-gen | | ٠,, | Norin 8 | |
| | | (C) | Spontaneous mutation, | | (D) | Induced mutation | |
| 38 | 8. | | variety of Rice was developed | lat: | | sal culmespen of Basama vinch of | |
| | | . , | CRRI Cuttack | | (B) | IRRI, Philippines | |
| | | (C) | Taiwan | | (D) | Japan | |
| | | | | | | | |

| 5). | 1110 | cerni noomzanon is related to: | | | |
|-------------|-------|---|---------|-----------------------|--|
| | (A) | Wheat | (B) | Rice | |
| | (C) | Sugarcane | (D) | Soyabean | |
| 40. | Hel | minthosporium maydis causes southern | leaf b | light in : | |
| | (A) | | | Maize | |
| | (C) | Barley | (D) | Rice | |
| 41. | Hyt | orid seed production in Jowar and Bajra | a is ba | ased on : | |
| | (A) | A, B and R lines | (B) | A and B lines | |
| | (C) | A and R lines | (D) | B and R lines | |
| 42. | Ger | neral combining ability (GCA) can be es | timat | ed from the performan | ce of: |
| | , , | Parents | (B) | Back cross | y managana ang mga sasa sa sa |
| | (C) | F_1 s | (D) | F ₂ s | |
| 43. | The | term yellow revolution is related to: | | | |
| | , (A) | Maize | (B) | Fruits | |
| | (C) | Oil seeds | (D) | Vegetables | |
| 44. | Tag | of which colour is used for breeder see | d? | | |
| | (A) | Yellow/golden | (B) | White | The drought had been fired |
| | (C) | Blue | (D) | Green | |
| 1 5. | The | maximum heterosis is likely to be manif | ested | in: | |
| | (A) | Double cross | (B) | Single cross | |
| | (C) | Three way cross | (D) | Double top cross | |
| 16. | Pota | ato, coffee and alfaalfa are: | | | |
| | (A) | Diploids | (B) | Allopolyploids | oscillo sillingino, mi V |
| | (C) | Segmental allopolyploids | (D) | Auto polyploids | (A) Sylapidlumia (C) Cellabrinidoxa |
| 17. | Bota | anical name of apple is: | | | |
| | (A) | Prunus amygelalus | (B) | Prunus persica | |
| | (C) | Malus pumila | (D) | Malus persica | e falisin e tyd L (3) |
| 18. | The | quickest method for developing an impr | roved | variety is: | |
| | (A) | Primary introduction | (B) | mass selection | |
| | (C) | Secondary introduction | (D) | domestication | |
| | | | | | |

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| 49. | Rice | e flower has how many stamens? | | |
|-----|-------|---|-----------|---|
| | (A) | 6 | (B) | 4 |
| | (C) | 3 made | (D) | 8 |
| 50. | Clei | istogamy promotes: | | |
| | | Cross-pollination | (B) | Self-pollination |
| | | Geitonogamy | | All of the above |
| 51. | Joha | annsen developed pureline theory usin | g the s | eeds of beans variety: |
| | (A) | Prince | (B) | Princeton |
| | (C) | Century | (D) | Princess |
| 52. | Pusa | a Baisakhi is a variety of : | | |
| | (A) | mung bean | (B) | urd bean |
| | (C) | rice bean | (D) | cow pea |
| 53. | Isog | enic lines are easily produced by which | h breed | ding method? |
| | (A) | Bulk | (B) | SSD |
| | (C) | Back cross | (D) | Pedigree |
| 54. | Leaf | frust resistance in wheat (T-acstivum) | has be | een transferred from : |
| | (A) | | (B) | Triticum speltoides |
| | (C) | Triticum timopheevii | (D) | All of the above |
| 55. | The | Chief weakness of single seed descen | t schen | ne is: |
| | (A) | Plant loss | (B) | Lack of opportunity for selection |
| | (C) | High demand on resources | (D) | Loss of high yielding segregants |
| 56. | Whi | ch one of the following is a pest of ap | ple? | ato, cotte un l'altaditante : |
| | (A) | Sylepta luna/is | (B) | Eriosoma/anigerum |
| | (C) | Cydia hemidoxa | (D) | Nodostoma subscota/um |
| 57. | Sim | ple recurrent selection is the most suite | ed for cl | haracter with: |
| | (A) | Lowheritability | (B) | Moderate heritability |
| | (C) | High heritability | (D) | All of the above |
| 58. | Reci | procal recurrent selection allows selec | tion for | qui, kestimethod fur developine un improvie |
| | (A) | GCA | (B) | SCA |
| | (C) | Improved population performance | (D) | All of the above |
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| 39. | Kni | gnt used hybridization to develop pop | ular var | ieties of: |
|-----|------|---|-----------|--|
| | (A) | Apple | (B) | Apple, peach and grape |
| | (C) | Apple, peach and strawberry | (D) | All of the above |
| 60. | Sele | ection for simply inherited trait is starte | ed from | · Comment for the first of the comment |
| | (A) | F ₂ | (B) | F, |
| | (C) | F ₄ | (D) | |
| 61. | Who | o was awarded the Nobel Peace prize | in Agri | culture? |
| | (A) | Dr. M.S. Swaminathan | (B) | Dr. Norman E. Borlaug |
| | (C) | Dr. Amartya Sen | (D) | Dr. V. Kurien |
| 62. | The | Union Minister of Agriculture in India | a is: | |
| | (A) | Balram Jakhar | (B) | R.S. Paroda |
| | (C) | Sharad Pawar | (D) | None of the above |
| 63. | Lab | to Land programme has been launch | ed in Inc | dia to transfer : |
| | (A) | Ag. Technology to farmers fields | (B) | Ag. Methodology to farmers fields |
| | (C) | Ag. Philosophy to farmers fields | (D) | Ag. Policy to farmers fields |
| 64. | Opa | que-2 gene increases lysine and trypt | ophan c | ontent and the protein quality in: |
| | | Rice | | Maize |
| | (C) | Wheat | (D) | Pearl millet |
| 65. | K.V. | . K. means : | | |
| | (A) | Kisan Vigyan Kendra | (B) | Krishi Vikas Kendra |
| | (C) | Krishi Vigyan Kendra | (D) | Kisan Vikas Kendra |
| 66. | Who | o is the Chairman of the Planning Con | nmissio | n? |
| | (A) | President | (B) | Vice-President |
| | (C) | Prime Minister | (D) | Home Minister |
| 67. | The | highest share of agricultural commod | ity in ex | port of India is that of : |
| | | Rice | | Cashew |
| | (C) | Sugarcane | (D) | |
| | | | | |

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| 68. | Prac | cticing agriculture without the use of Ch | nemica | als and Fertilizers is known as: | 77. | Oxygen is requ |
|-----|-------|---|--------|---|-----|------------------|
| 7 | (A) | Extensive farming | (B) | Intensive farming | | (A) Respiration |
| | (C) | Inorganic farming | (D) | Organic farming | | (C) Photosyn |
| | | | | | | |
| 69. | NA | BARD was established in the year: | | mont become a statut ballot dan shor sa stocked sistematical services | 78. | Which of the fo |
| | (A) | 1980 | (B) | 1981 | | (A) Farm yar |
| | (C) | 1982 | (D) | 1983 | | (C) Green ma |
| 70. | A sl | nort duration crop in between two mair | n crop | s is termed as : | 79. | Apple belongs |
| | | Catch crop | | Cash crop | | (A) Legumin |
| | (C) | Commercial crop | (D) | Companion crop | | (C) Crucifera |
| 71. | Mai | ze surpasses all cereal crops in terms o | f: | | 80. | The building bl |
| | | Area | | Production | | (A) Maltose |
| | ٠, | Yield | ` ′ | Consumption | | (C) Fructose |
| 72. | In Ir | ndia, share of agriculture in National Inc | ome i | s approximately: | 81. | The best soil ar |
| | | 45% | | 25% | | (A) Calcium |
| | (C) | 35% | | 42% | | (C) Gypsum |
| 73. | The | arrangement of soil particles in certain | defini | te pattern is known as : | 82. | Which is the m |
| | (A) | Soil texture | (B) | Soil structure | | (A) Triploidy |
| | (C) | Soil aggregates | (D) | Soil parameter | | (C) Monoecia |
| 74. | Whi | ch of the fly is pest of cotton? | | | 83. | The theory of a |
| | | Fruit fly | (B) | Stem fly | | (A) Darwin |
| | (C) | Saw fly | (D) | Whitefly | | (C) Weismann |
| 75. | Dire | ectorate of Plant protection, quarantine | and st | orage is located at: | 84. | Which one of the |
| | (A) | Moradabad | (B) | Ahmedabad | • | (A) Bulk dens |
| | (C) | Faridabad | ·(D) | Allahabad | | (C) Permeabil |
| 76. | A pł | I value of 6.0 indicates that soil reaction | n is : | | 85. | Which part of t |
| 10 | (A) | Acidic | (B) | Alkaline | | (A) Epicarp |
| | | Neutral | (D) | Highly alkaline | | (C) Mesocarp |
| | | | | | | |

| 77. | Oxy | gen is required by the plants f | or: | | . / r agn | | |
|-----|-----|-----------------------------------|------------|------------|---|-------------|----|
| | (A) | Respiration | | (B) | Transpiration | | |
| | (C) | Photosynthesis | | (D) | Guttation | | |
| 78. | Whi | ich of the following is consider | red as bio | -fertili | izer? | hafele vise | |
| | (A) | Farm yard manure (FYM) | | (B) | Compost | | |
| | (C) | Green manure | | (D) | Blue green algae | | |
| 79. | App | le belongs to family : | | | | | |
| | (A) | Leguminosae | | (B) | Rosaceae | | |
| | (C) | Cruciferae | · mittal | (D) | Liliaceae | | |
| 80. | The | building block of cellulose is: | | | who will be a first and | | , |
| | (A) | Maltose | | (B) | Glucose | | |
| | (C) | Fructose | | (D) | Glucose + Fructose | | |
| 81. | The | best soil amendment under all | kaline con | dition | is application of: | | |
| | (A) | Calcium | | (B) | Phosphorus | Total | |
| | (C) | Gypsum | | (D) | None | | |
| 82. | Whi | ch is the most appropriate cau | ise of see | dlessr | ness in Banana ? | | |
| | (A) | Triploidy | | (B) | Parthenocarpy | | |
| | (C) | Monoecious condition | | (D) | Lack of pollination | | |
| 83. | The | theory of acquired characters | was proj | posed | by: | | |
| | (A) | Darwin | • | (B) | Lamarck | | |
| | (C) | Weismann | | (D) | Mendel | | |
| 84. | Whi | ch one of the following proper | rties does | not cl | nange by cropping and cultiva | ion? | |
| | (A) | Bulk density | | (B) | Particle density | | į. |
| | (C) | Permeability | | (D) | Porosity | | |
| 85. | Whi | ch part of the walnut fruit is st | ony and v | voody | • ? - : : : : : : : : : : : : : : : : : : | | |
| | | Epicarp | | (B) | Endocarp | | |
| | (C) | Mesocarp | | (D) | None of the above | | |
| | | | | | | | |

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| 86. | Soil | erosion increases wit | th: | | 77 Osygen is required to the |
|-----|--------|-------------------------|---------------------------|---------------------------|----------------------------------|
| | (A) | No tillage | minimize (B |) Ideal tillage | |
| | (C) | Mulching | TO TO THE REAL PROPERTY. |) Excessive tillage | |
| 87. | Pon | negranate has been pl | aced in which of the sa | alt tolerant fruit trees? | 78. Wheeling the fathership peop |
| | (A) | High | (B |) Medium | |
| | (C) | Low | (D |) Very high | |
| 88. | The | science which deals | with rearing of silkwo | rm is known as: | |
| | (A) | Apiculture | (B |) Vermiculture | |
| | (C) | Sericulture | (D |) Agriculture | |
| 89. | Prin | ciples of experimenta | l design were given by | : | finlando dos escribios suffraços |
| | (A) | Wilcox | (В | R.A. Fisher | |
| | (C) | W.C. Cocharan | (D |) Cox and Cocharan | |
| 90. | The | bulk density of soil is | always than pa | rticle density. | |
| | (A) | Higher | (B |) Lower | |
| | (C) | Equal | (D |) Very High | |
| | | | | | |
| 91. | Whi | ch one of the following | ng is not an aldose? | | |
| | (A) | Glucose | (B) | Galactose | all allering (20) |
| | (C) | Mannose | (D |) Fructose | |
| 92. | Little | e leaf disease of Brinj | al is caused by: | become was proposed | |
| | (A) | Viroid | (B | Virus | |
| 4 | (C) | Phytoplasma | (D |) Spiroplasma | |
| 93. | A ch | romosome with med | ian position of centron | nere is known as : | is whith all to short on N = 40 |
| | (A) | Telocentric | (B) | Acentric | |
| | (C) | Melacentric | (D |) Paracentric | |
| 94. | The | value of coefficient of | f correlation varies from | n: was been alone with | |
| | (A) | 0.0 to 1.0 | (B) | -1.0 to 1.0 | |
| | (C) | 1.0 to 10.0 | (D) | 10.0 to 100 | |
| | | | | | |

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| | (C) | Solocity | (D) | Acidity | |
|-------|-------|-------------------------|--------------------------|------------------------|--|
| 96. | Tech | nnical name of Furada | n 3 G is: | | |
| | (A) | Carbosufan | (B) | Carbofuran | |
| | | Phorate | . , | Sebufos | |
| | | | | | |
| 97. | _ | arcane is plant. | | | |
| | (A) | C ₃ | (B) | C ₄ | |
| | (C) | CAM | (D) | None of the above | |
| 98. | Nitro | ogen is taken by the pl | ants in form of: | ชาวัลเปิดสอบการสมอ | |
| | | Nitrate | | Element nitrogen | |
| | (C) | Nitrite | , , | Nitric acid | |
| 99. | Alla | habad Safeda is a vari | ety of · | | |
| | | | (B) | | |
| | (C) | | (D) | | |
| 100 | Whi | ch chemical is used in | preparation of Insect K | illing ior 2 | |
| | | | (B) | | |
| | ` ' | CO ₂ | (D) | | |
| | (0) | | (D) | KCN | |
| 101. | Tetra | asomic is represented | as: | | |
| | (A) | 2n | (B) | 4n | |
| | (C) | 2n+1 | (D) | 2n+2 | |
| 102. | Split | ting of H,O in the pres | sence of light is termed | as: | |
| | (A) | Photosynthesis | (B) | Photophasis | |
| | | Photolysis | | Photoperiodism | |
| 103 | Mite | possesses how many | pair(s) of leas ? | | |
| . 05. | | One | , . | Two | |
| | (C) | | ` ' | Four | |
| | (0) | | (D) | 1 Out | |
| | | | | | |
| | | | | | |

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95. The negative logarithum of H+ ion is known as:

(A) pH

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| 104. | The | fertility restorer parent is represented a | s: | | |
|------|------|--|--------|---------------------|-------------|
| | (A) | Rline | (B) | Aline | |
| | (C) | Bline | (D) | Pure line | |
| 105. | Tho | mpson Seedless is a popular variety of | | | |
| | (A) | Water melon | (B) | Grape | |
| | (C) | Guava | (D) | Banana | surreit (2) |
| 106. | The | plants which respond least to changed | day le | ength are known as: | |
| | (A) | Day Neutral | (B) | Long day | |
| | (C) | Short day | (D) | None of these | |
| 107. | The | accumulation of soluble salts in the soil | is Kno | own as: | |
| | (A) | Alkalinization | (B) | Salinization | |
| | (C) | Calcification | (D) | Acidification | |
| 108. | Нар | loids plants can be obtained through: | | | |
| | (A) | Shoot tip culture | (B) | Protoplast culture | |
| | (C) | Somatic hybridization | (D) | Anther culture | |
| 109. | Gen | ctic purity of seeds can be tested by: | | | |
| | (A) | Germination test | (B) | Tetrazolium test | |
| | (C) | Acetocarmine test | (D) | Grow out test | |
| 110. | Whi | ch of the following pulses has the higher | st pro | tein content? | |
| | (A) | Pigeon pea | (B) | Green gram | |
| | (C) | Soyabean | (D) | Black gram | |
| 111. | Edib | olc part of banana fruit is: | | | |
| | (A) | Endosperm | (B) | Meso and Endocarp | |
| | (C) | Endocarp only melboroom | (D) | Mesocarp only | |
| 112. | The | basic chromosome number of apple is: | | | |
| | (A) | 34 | (B) | 68 | |
| | (C) | 17 | (D) | 51 | |
| | | | | | |
| | | | | | |

| | e Science dealing with genesis, surve | y and cia | ssification of soils is known as: |
|-----------|--|------------|-----------------------------------|
| (A) | Taxonomy | (B) | Soil Science |
| (C) | Phenology | (D) | Pedology |
| 114. Wh | ich of the following crops require wa | ter loggii | ng condition? |
| (A) | Sugarcane | (B) | Cotton |
| (C) | Paddy | (D) | Maize |
| 115. At | what stem length the rose flowers mu | ust be cut | at tight bud stage for export? |
| (A) | 60 | (B) | 20 |
| (C) | 80 | (D) | 40 |
| 116. Wh | ich type of herbicide 2, 4 –D is? | | |
| (A) | Non-selective | (B) | Selective |
| (C) | Toxic | (D) | Non-toxic |
| 117. The | main site of respiration in plants cells | s is: | |
| | Chloroplasts | (B) | Mitochondria |
| (C) | Lysosomes | (D) | Ribosomes |
| 118. Mei | osis is also referred to as: | | |
| (A) | Equational division | (B) | Reduction division |
| (C) | Homotypic division | (D) | Assymetric division |
| 119. B-C | hromosomes are also known as: | | |
| (A) | Accessory chromosomes | (B) | Extra Chromosomes |
| (C) | Supernumerary chromosomes | (D) | All of the above |
| 120. Bras | ssica juncea is an amphidiploid betwe | en: | |
| | B.campestris × B. nigra | (B) | B. campestris × B. oleracea |
| (C) | B. nigra × B. oleracea | (D) | B. oleracea × B. nigra |
| | | | |
| | | | |

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