## **Important Facts of Agriculture**

- **1.** Father of agronomy is peter decresenzi.
- 2. Dr. Biwant Rajis the founder of Relay cropping.
- 3. The Directorate of cropping System research is located at Modipuram, meerut, U.P.
- **4.** Scientific study of mixed cropping was firstly done by La-Flitze (1928)
- 5. Relay cropping concept was derived from Relay race
- 6. Natural Resource management is an example of sustainable agriculture
- 7. Cropping System is a component of framing System
- **8.** When the sub crop are sown to supplement of yield of the main crop , the sub crops are known as --augmenting crops
- **9.** The main crop is grown in the centre, surrounded by hardly or thorny crops, the sub crop is known as guard crops
- **10.** The yield of both crops , grown together are found to be higher than the yield of their pure crops on unit area , such cropping is known as -- synergetic cropping
- **11.** What is a cash crops -- those crops , which may be sold directly from the field without processing like vegetables , potato, etc.
- 12. Formula of Cropping Intensity = Total Cropping Area /total sown area \*100
- 13. The growing of two or more crops on the same field in a year is called -- multiple cropping
- **14.** The practice of raising grasses or pasture, is also known as -- ley farming
- 15. In India, the maximum acreage and production of wheat is in UP
- **16.** The type of fruit of wheat is Caryopsis
- 17. The optimum temperature for ideal germination of wheat is 20 to 25 °C
- **18.** Norin-10 gene was brought to USA by S.c. salamone 1984
- **19.** The dwarf winter variety of wheat first time developed through using Norin gene by Dr. O.A.Vogel (USA)
- **20.** Triple gene dwarf variety were released in 1970
- **21.** Which is double gene dwarf varieties of wheat HD 2204, Janak, UP 215, Pratap, Kalyansona, Arjun, Sonara 64
- 22. Single gene dwarf varieties are Sonalika, Girija, UP-262, Wl 711, Lerma Rojo 64A
- 23. The protein found in wheat floor which is helpful for chapati making Gluten
- 24. Central Zig Zag axis of wheat is called -Rachis
- 25. Mexican dwarf wheat was evolved by Dr. N. E. Borlaug
- **26.** The toxic alkaloid found in the leaves of sorghum crops is Dhurin or HCN
- 27. CSH 1 was released as first dwarf sorghum hybrid in 1964
- **28.** Which crop is known as camel crops Sorghum
- **29.** Native of jower is Africa (Ethiopia & Sudan)
- 30. The maximum area & Production of jowar is in Maharashtra
- **31.** Jower is poor in lysine but rich in Leucine
- **32.** The inflorescence of jower is called Panicle
- 33. First hybrid variety of bajara is HB-1 (1965) developed at PAU, Ludhiana
- **34.** Protein content in Bajra is 11-12 %
- **35.** Origin of bajra is Africa
- **36.** Bajra is sensitive to water logging and Acidic soil
- **37.** The largest producer state of cotton in India is -Gujarat

- **38.** Bad opening of balls is known as Tirak
- **39.** In cotton, the maturity of fibre is judged by Arealometer
- **40.** H-777 is the cultivar of cotton
- **41.** Hybrid -4 is the first commercial cotton of the world developed by Dr.C.T. Patel in 1970
- 42. The leaves of cotton becomes radish in colour due to decrease nutrient uptake and moisture.
- **43.** Origin of cotton is from India
- **44.** Cotton belongs to- malvaceae
- **45.** Intra Specific hybrid of cotton is -Hybrid -6, savita, surya.
- **46.** Interspecific hybrid of cotton is Varalaxmi, DCH-32, HB -224 etc.
- **47.** One seed of cotton has 60000-80000 fibres
- **48.** Ginning %= wt. of lint / wt. of seed cotton taken for ginning \* 100
- **49.** The removal of lower leaves which come in contact with soil and lose their commercial value is known as priming process.
- **50.** Priming method is used in Cigarette and wrapper tobacco
- **51.** The main aim of topping and Desuckering is to divert the energy and nutrient of plant from flower to leaves.
- **52.** The removal of the lateral branches or suckers or auxiliary buds is called desuckring.
- **53.** Central tobacco research institute is situated at Raja h Mundri, AP (1947)
- **54.** The richest source of protein among the food grain is Pulses
- 55. Head quarter of directorate of pulses research is located in Kanpur UP
- **56.** Which pulse crop doesn't fix N2 from atmosphere -Rajma
- **57.** The word pulse is derived from French world pottage or poride means soup (dal)
- 58. The term legume is taken from latin word means to collect
- **59.** India is the largest producer of gram
- **60.** The sour taste of gram leaf is due to presence of Maleic acid(60%) and oxalic acid
- **61.** Shelling % of Pea is 49
- **62.** Harvest index of arhar is 19 %
- **63.** Origin of aarhar is from Africa
- **64.** Queen of cereals is called Maize
- 65. The composite cultivars of maize are Kisan, jawahar, Amber, Vijay, Sona, Vikaram, etc.
- **66.** Maize is a C<sub>4</sub> Plant
- 67. In India the rank first state in area and production of maize is UP
- **68.** The maize Protein is called- Zein
- 69. Male inflorescence of maize is called -Tassel
- 70. The critical stage for water application in maize is Tasseling and silking stage
- 71. Which Indian scientist shared world food prize for miracle maize Dr.Sruinder K.Vasal(2000)
- 72. Origin of maize from Mexico
- 73. All India Coordinated Maize Improvement Project was started in -1957 at New Delhi
- **74.** Double cross technique for hybrid seed production was developed by D.F. Jones (1920)
- **75.** The idea of hybrid maize was first conceived by : E.M. east and G.H. Shull (1910)
- **76.** The criteria for harvesting of sugarcane withering of lower leaves ,brix 20 %, sucrose 15 %
- 77. Algin planting method of sugarcane is evolved by Allahabad agriculture institute, Allahabad, UP
- 78. Adsali sugarcane is common in Maharashtra
- 79. sugarcane is planted in furrows because it reduce lodging
- **80.** Inflorescence of sugarcane is generally called Arrow or open panicle.

- **81.** Sucrose content in cane is 13-14 %
- 82. Sugar from juice is 6-10%
- **83.** Hand refrectometer reading for sugarcane maturity is 20
- 84. Sugarcane breeding Institute is situated at Coimbatore
- **85.** Adhsali Sugar cane crop mature in 18 months
- 86. father of hybrid rice is Yuan Long Pin
- 87. India's first dwarf variety released during 1968 was jaya.
- 88. World's first high yielding semi dwarf basmati rice variety is pusa basmati 1
- **89.** World's first super rice variety for saline / alkaline soil Lunishree
- **90.** Harvesting of paddy is done at moisture content 21-23 %
- **91.** First mutant variety of rice is jagannath( gamma ray irradiation of T-141)
- **92.** Which gas is released from field of paddy Methane (CH4)
- 93. SRI techniquecue was originated in Madagascar in 1987 by prof. Henry De Laulanie
- 94. First super fine aromatic basmati hybrid is Pusa RH-10
- 95. Oilseed production programme was started during 1990-91
- 96. Technology mission on oilseed was est. 1986
- 97. National Research Centre for groundnut was est.at Junagarh (Gujarat)
- 98. Indian central Oilseed Committee was est. 1947
- 99. All India Coordinated Project on Oilseeds was est. during 1967
- **100.** Main adulteration in mustered argemone mexicana oil
- 101. Mustard fruit is known as siliqua
- **102.** Pungency of mustard is done to isothiocynate
- **103.** National seed corporation was established in March 1963
- **104.** Seed Act was passed in 1966 (29 dec)
- 105. Tetrazolium Test is done for viability and vigour
- 106. The Indian seed Act came into force on 2 oct 1969
- **107.** NSC started functioning in July 1963
- 108. The head quarter of NSC is Pusa compus, ND
- **109.** National Seed project was launched in 1976
- 110. The world meteorology is derived from- Greek language
- **111.** International meteorological organization was est. in 1873
- **112.** Division of Agri. Meteorology at pune, Maharashtra was est. in 1932
- 113. Solar radiation is measured by pyranometer(total incoming radiations)
- 114. Agro Ecological Zones in India is 8( by NARP ICAR), 21(by NBSSLUP)—but now only 20
- 115. Agro -climatic zones (15 nos.) are formed in India during 7th five year plan (1988)
- **116.** The green Ouse gases are CO2, CFC, CH4, etc.
- 117. Indian meteorological Dept. was est. in the year of -1875
- **118.** Wind velocity is measured by -Anemometer.
- **119.** Father of agro-climatology is Koppen
- **120.** Koppen classified the climate based on temperature & Precipitation
- **121.** The study of weather is called meteorology
- **122.** The term weed was firstly used by jethrotull
- **123.** National Research centre for weed science is situated at-Jabalpur (MP)
- 124. Commercial mycoherbices first appeared in market USA in early 1980s
- **125.** National horticulture board was est.at Gurgaon (Haryana)

- **126.** First all India coordinated floriculture Improvement project was started in 1971
- **127.** Central temperate Horticulture Research institute is situated at Srinagar (J&K)
- **128.** International institute of horticulture is situated in Brazil
- **129.** Who is the father of pomology Decandolle
- 130. National horticulture board was est. in the year 1984
- 131. Who was the first deputy director general of horticulture, ICAR dr. K.L. Chadha
- 132. Which vegetable rank first among vegetable crops in production in the world potato
- 133. In India, potato was introduced by Portuguese in 1965
- **134.** Research on potato was stared at IARI New Delhi in 1935
- **135.** The International potato centre was est.in 1971 at lima (Peru)
- **136.** Central potato Research Institute was est. in 1949
- 137. Seed plant technique was developed by Dr. Pushkarnath
- 138. The Head quarter of CPRI was Shifted from Patna to Shimla in 1956
- **139.** True potato seed concept was first realize to raise commercial crop in India by Dr. S.Ramanujam (Fist director of CPRI)
- 140. Cauliflower was introduced in India by Dr. Jemson from Kew Garden, London in the year 1822
- **141.** Male sterility in cauliflower was introduced by Peerson (1981)
- **142.** The toxic substance of cucurbits is cucurbitacin
- 143. Which hormones are used in cucurbits to modify sex and to induce femaleness GA & NAA
- **144.** Seedless variety of mango is Sindhu (devloped at FRS vengurula )
- **145.** Most exported variety of mango is Alphonso
- **146.** Black tip in mango is a physiological disorder due to brick clin fumes mostly CO, SO<sub>2</sub> or deficiency of boron
- **147.** Which type of incompatibility is found in mango gemtophytic
- **148.** Mango variety, most suitable for high density planting is Amarpali
- 149. Mango inflorescence contains, which type of flowers male and hermaphrodite
- **150.** The off season mango variety is Niranjan
- **151.** The only mutant cultivarr of mango is Rosica
- **152.** Magnifera contains about 41 species
- 153. The regular bearing varieties of mango are neeum, Banglora, pairi, etc.
- 154. Mosambi a sweet orange cultivar was introduced from Mozambi ue
- 155. The edible portion of citrus fruits is -juicy placental hairs
- **156.** The first record of the name grape fruit in jamaica was in -1814
- 157. The Banana breeding was first stared at Imperial college of tropical agriculture in Trinidad (1922)
- **158.** Banana Breeding was stared in India in 1949 at central Banana Research station, aduthurai (TN)
- 159. Banana can be stored at 13 C and 85 % RH
- **160.** Banana initiate flowering 9-12 months after Planting
- **161.** The notice is papaya is tropical America
- **162.** The yellow pigment in papaya is caricaxanthin
- 163. Papaya is the richest source of vitamin A next to mango it contains 2020 IU/100 g fruit
- **164.** King of temperate fruit is Apple
- **165.** Family of apple is Rosaceae
- **166.** Mother of all delicious group of cultivars is red delicious
- **167.** The king of arid fruit is ber
- **168.** The commercial propagation method off grape is hard wood cutting

- **169.** In India the black soil is mostly fond in Maharashtra
- **170.** Red soil is mostly found in Tamilnadu
- 171. The soil which is most suitable for most crops is sandy loam
- 172. Red colour in the red soils is due to presence of various oxides of irons
- **173.** The vertical section of the soil showing the various layers from the surface to the unaffected parent material is known as soil profile .
- 174. The arrangement of soil particles and their aggregate into certain defined is called soil structure
- 175. Particle density of soil is also known as true density
- **176.** Generally the particles density of normal soil is 2.65 gram/cm<sup>3</sup>
- **177.** The bulk density of normal soil is 1.33 g/cm 3
- 178. The formula of porosity of soil is porosity = 100-(bulk density / Particle density)
- 179. The certain exchange capacity (CEC) of montmorillonite is 60-100 me / 100 gm
- **180.** The first soil classification system was developed by russion scientist Dokuchaev (1880)
- **181.** The U.S classification system the soil orders are -10
- **182.** Formula of bulk density is= wt. of soil / volume of solids and pores
- **183.** Law of minimum was given by Vn Liebig (1840)
- **184.** Top most mineral horizon is A horizon
- 185. exchangeable sodium %age is also known as soluble %age
- **186.** The term pH was introduced by Sorensen (1909)
- **187.** Energy exchange elements are H & O
- **188.** K & Na is determined by Flame Photometer
- 189. Micro nutrient is also known as trace element, Oligo -element or spurned elements
- 190. Crop logging techniqueue was given by H. F. Clements
- 191. Metal nutrients are K, fe, Ca, Mg, Mn, Zn, Cu.
- 192. Highly mobile nutrients are N,P,K.
- **193.** Criteria of essentiality was proposed by Arnon & Stout (1939)
- **194.** The term fictional nutrient was proposed by Nicholas (1961)
- 195. Moderate mobile nutrient is Zn
- 196. FYM contains 0.5% N, 0.2 % P2O5 & 0.5 % K2O
- **197.** The P is available at 6-7 pH
- 198. Bio fertilizers are Rhizobium, Azotobacter, Azospirillum, PSB, VAM, BGA, etc.
- **199.** Approx. 20 gram of rhizobium culture is required to treat one kg seed
- **200.** One packet of rhizobium culture contains 20 gram of rhizobium culture
- 201. Azotobacter is used for Rice, cotton, s.cane
- 202. Azospirillum bio fertilizer used for Sorghum
- 203. The cytoplasm and nucleus combinedly called protoplasm
- 204. Cell theory was proposed by M.J. Schleden and Theodo Schwann
- 205. The term Lysosomes was first used by Dave in 1955
- 206. The main function of Golgi bodies are packaging of food materials such as protein, lipids etc.
- **207.** The function of ribosomes are protein synthesis
- 208. The term mitochondria was given by C Benda (1897)
- **209.** The simple microscope was invented by Galileo (1610)
- **210.** The shortest phase of all mitosis phase is Anaphase
- 211. Meiotic division is also known as reducetional division
- **212.** The term mitosis was coined by Fleming (1882)

- 213. Mitosis occurs in Somatic cells
- 214. Segregation occurs during meiosis
- **215.** The longest mitotic phase is -Prophase
- **216.** Absorption Spectrum of photosynthesis is blue and red
- 217. Action Spectrum of photosynthesis is red and blue
- 218. Dark reaction was discovered by Blackman
- 219. Dark reaction is also known as Blackman reaction or C3 cycle
- **220.** The main site for dark reaction of photosynthesis is stroma
- **221.** The evaporation of water from plants is called transpiration
- 222. Evaporation from soil and transpiration combined are called ET
- **223.** C4 Plants proposed by Hatch and slack (1970)
- **224.** The darkk reaction process of photosynthesis has been named variously Calvin cycle or Blackman reaction
- 225. Light reaction is also known as Hill reaction
- **226.** In photosynthesis, the solar energy converts into Chemical energy
- **227.** The OSMOSIS term was given by Abble Nollet (1748)
- 228. The term "diffusion pressure deficit" was introduced by Meyer in 1938
- 229. The term Imbibition was coined by Sachs
- 230. Imbibition Pressure is also known as Matric Potential
- 231. Root pressure word was coined by- Stephan Hales
- **232.** Father of Physiology Stephan Hales
- 233. Soil les cultivation of plants is known as Hydroponics
- **234.** Rate of transpiration is determined by Potometer
- 235. The loss of sap (water) from the injured parts of plants is called Bleeding
- 236. Approximately 90% of the world photosynthesis is carried out by Marine and frsh water algae
- **237.** Net production of ATP in Glycolysis is 2
- 238. Growth rate is measured by Auxanometer & Cresco graph
- **239.** Photoperiodism term was coined by -TD Lysenko (1920)
- **240.** Apical Bud dominance is caused by which hormone Auxin
- **241.** Which hormones is used as a herbicide=auxin
- **242.** Which hormone is related to drought tolerance- absicic acid (ABA)
- **243.** Dormancy break by which hormone Cytokinis
- **244.** Stress hardening in plants can be active by which hormone ABA
- **245.** Fruit ripening hormone is ethylene
- **246.** The term auxin was used by Frits went (Holland) 1905
- **247.** Want's auxin is now known as Indole -3-acetic acid (IAA)
- 248. Which hormones are the Auxin IAA, IBA, NAA, 2-4-D,2,4,5-T' MCPA, IPA TIBA etc
- **249.** Shedding of plant parts is due to- ABA hormones
- **250.** Cycocel (CCC) is a growth retardant
- **251.** The most widely used auxin herbiceds are 2-4-D,2,4,5-T' MCPA
- 252. Gibberellins were first discovered in japan
- **253.** The hormones also known as Photo hormones, growth hormones, growth substances
- 254. Main auxin is also known as -IAA
- 255. Root promoting hormones is IBA
- **256.** The precursor of IAA is Tryptophasne

- **257.** Synthesis of IAA in plants requires Zinc
- **258.** The term phytohormone for hormones of plants is suggested by Thimann (1948)
- 259. The term genetic resources was coined by Frankel
- **260.** Mendel began his famous experiments on Pea in 1857
- **261.** Mendel Paper entitled "Experiments in Plant Hybridization" was presented in German Language in two papers in 1865 (feb 8 and march 8)
- 262. Mendel Paper published in the annual proceeding of society in 1866
- **263.** The term "Genetics" was coined by Bateson (1905)
- **264.** The term gene, genotype and phenotype were used by Johannsen in 1903
- **265.** Germplasm theory was proposed by Weismann
- **266.** Crossing over term was used first time by- Morgan and cttell in 1911
- **267.** Operon model of gene regulation was discovered by Jacob and Monad 1961
- **268.** The term chromosome was coined by -Waldeyer in 1888
- **269.** One gene one enzmes hypothesis was proposed by-Beadle and Tatum In 1941
- **270.** First time gene was divided into cistron, muton and recon by Benzer (1955)
- **271.** Sex chromosomes are also known as allosomes
- **272.** Crossing over occurs in Pachytene stage
- **273.** The tendency of two or more genes to remain together in the same chromsome during inheritance is referred to as Linkage
- **274.** Chiasma type theory of crossing over was proposed by -Janssens
- 275. Genic balance system of sex determination was proposed by- bridge in 1922
- 276. Monogenic sex determination is found in Asparagus, Papaya, maize, spinach etc.
- 277. The homozygous progeny of a self pollinated homozygous plant is known as Pure lines
- 278. The concept of purelines theory was developed by -Johannsen (1903), Danish biologist
- **279.** Breeding method for self-pollinated crops are Pure line selection, Mass Selection, Progeny selection, Bulk Method, Pedigree method, single seed descent method, Back cross Method
- **280.** A multiline variety is a mixture of -Several pure lines
- 281. Bulk method was first used by- Nelson Ehle in 1908
- **282.** The modification of bulk method is Single seed descent
- 283. In pure line Theory ,Johannsen was working on- Princess variety of Rajma
- **284.** Mass Pedigree Method was proposed by- Harrington in 1937
- 285. The oldest method of selection is mass Selection
- **286.** Progeny test was developed by -Louis de Vilmorin
- **287.** Progeny Test is also known as Vilmorin isolation principle
- **288.** Single seed Descent method applied for the first time in oat in 1965 by Graphius
- **289.** The term recurrent selection was coined by -Hull in 1945
- **290.** The use of synthetic varieties for commercial cultivation was first suggested in maize by-Hayes and Garber, 1919
- **291.** Synthetic varieties are maintained by-open Pollination
- **292.** A synthetic variety can be developed from-Inbreeds, clones and open pollinated varieties.
- 293. The general or basic concept in the development of synthetic varieties is Exploitation of hybrid vigour
- **294.** The concept of disruptive mating and selection was developed by Mather (1953) and Thody (1958)
- **295.** The Concept of dialled selective mating system was originally develoed by jonsen in 1970
- **296.** The hetrosis is also known as Hybrid vigour
- **297.** The term heterosis was first used by Shull in 1914

- **298.** Dominance theory was proposed by Devenport in 1908
- 299. The cross between inbred line and open pollinated variety was done in top cross method
- **300.** The resistance of host to the particular race of a pathogen is known as vertical resistance
- **301.** vertical resistance is governed by- One or few genes
- **302.** The resistance of host to the all race of a pathogen is known as Horizontal resistance
- 303. The concept of gene for gene hypothesis was first developed by- flor in 1946
- **304.** The disease resistance is governed by- several genes
- **305.** Who developed the concept of vertical and horizontal resistance j. E. Vender Plank (1963)
- **306.** Father of genetic engineering is Pual Berg
- **307.** Polymerase chain reaction (PCR) was developed by Dr. Karl Mullis (1980)
- **308.** Golden rice was developed by Ingo protrykus and peter bayer
- 309. The plant part, which is used for regeneration is called Explant
- **310.** A mass of regenerated cells i culture medium is called Callus
- 311. the suspension of free cells of callus in a liquid medium is known as Suspension culture
- 312. the regeneration capacity or ability of a plant cell to develop into whole plant is known as Totipotency
- 313. What is the embryogenesis It is the process of formation of somatic embryos from callus
- 314. the process of dirrerentiation of shoot & root from the somatic embyos is called organogenesis
- 315. Regeneration of whole plant from anther is called anther culture
- **316.** Haploid are developed by Anther culture
- **317.** The Blue biotechnology is a term that has been used to describe The marine and a uatic application of to describe
- 318. The biotechnology applied to agriculture process is known as -Industrial Biotechnology
- 319. the first genetically modified food product was a -Tomato, which was transformed to delay its ripening
- **320.** M-RNA is primarily used for Transcription of DNA
- **321.** RFLP stands for Restricting fragment length polymorphism
- 322. Plant tissue culture was begun by G. Haberlandt (geman botanist) in 1808
- 323. research in the area of tissue culture was first stared in india at Department of Botany, DU in 1960s
- **324.** National bureau of plant genetics resources is situated at -New Delhi
- 325. The project on Indian mustard oil with higher b-carotene is initiated by TERI
- **326.** A genotype developed by the process of genetic engineering is called Transgenic
- **327.** what is gene cloning A technique of genetic engineering , which is used to make several identical copies of a gene is called gene cloning
- 328. which soil borne bacterium is used for developed of transgenic plants agrobacterium tumifaciens
- **329.** In potato, the protein quality has been improved by transferring serum albumin gene from human
- **330.** In tobacco, cold resistance power has been achieved by tranering gene from -Arabidopsis thaliana
- **331.** Little leaf of citrus is caused by MLO,s
- 332. Pahala blighted s.cane is caused due to deficiency of Mn
- 333. Reclamation disease is caused due to the deficiency of Cu
- **334.** Late blight of potato is caused by Phytophthora infestence (fungi)
- **335.** Bunchy top of banana is caused by virus
- **336.** Grassy shoot disease of s.cane is caused by mycoplasma
- **337.** kresek in rice is caused by Xanthomonas oryzae
- 338. heart rot of sugar beat is casued by Deficiency of boron
- 339. Most dangerous disease of potato Late blight of potato
- **340.** Philology disease in plants is caused by Mycoplasma

- **341.** Club root of cauliflower is caused by- Plasmodiosphora brassicae
- 342. Sheath blight of rice is caused by-Rhizoctonia solani
- **343.** vector of leaf -curl disease in cotton is White flies
- **344.** Orobanche is a parasite associated with tobacco
- **345.** Akiochi disease is due to sulphur toxicity
- 346. White rust of crucifers is caused by Albugo, candida, fungi
- **347.** Ufra disease in rice is caused by- Nematode
- **348.** Whiptail of cauliflower is due to the deficiency of Mo.
- **349.** Vector of rice tungro virus is Green leaf hopper
- 350. Kresek symptom is found in Bacterial blight
- 351. loose smut disease of wheat is a Internally seed Borne
- **352.** Mantek Disease of rice is caused by Rice root nematode
- 353. Yellow leaves of tea occur due to the deficiency of Sulphur
- 354. Die back of shoots occur due to deficiency of Copper
- 355. die back is the major disease of rose in India
- **356.** Crop showing maximum resistance to nematode is marigold
- **357.** The late blight disease destroy the potato crop of Ireland in 1845
- **358.** Father of pathology is Anton de berry
- **359.** Father of mycology is P.A. Micheli
- **360.** Life cycle of wheat rust is given by K.C. Mehta
- **361.** Top sickness of tobacco is caused by Deficiency of boron
- **362.** The pathogen associated with the discovery of bordeause mixture is Plasmosphora viticola
- **363.** Loose smut of wheat can be controlled by seed treatment of Vitavax
- **364.** Late blight of potato was introduced in India for first-time in nilgiri –hills
- **365.** Black heart of potato is caused by Poor ventilation in storage (lock of oxygen)
- **366.** The tundu disease of wheat is usually associated with nematode known as anguina tririci
- **367.** Udabatta disease of rice is due to -- Ephelis oryzae
- 368. Ring rust of Aonla is caused by Ravenellia emblica var. fructoidae
- **369.** Flag smut of wheat is caused by Urouystis gramines
- **370.** Leaf curl disease of tobacco is caused by virus and it is transmitted by White fly
- **371.** Leaf blight of cotton is caused by Alternaria macrospora
- **372.** father of nematology Bastian
- 373. Father of Microbiology Louis Pasteur
- **374.** Bacterium was discovered by Antony van leewenhock
- **375.** fungicide used in the control of smut is Vitavax
- **376.** father of modern Plant pathology is Anton de Berry
- **377.** bordeaux mixture was developed by P.M.A. Millardet
- **378.** Common nematicides are DD Mixture, Phorate, Etylene bromide, etc.
- **379.** Central Plant protection training institute is situated at Hyderabad (AP)
- **380.** first plant protection adviser to govt. of India H.S. Pruthvi.
- **381.** integrated pest control term was coined by Bartlett (1956)
- **382.** The Term "Pest Management" was given by Geier (1970)
- 383. The blood colour of insects is Green with yellow
- **384.** Honeybees belongs to the order of Hymenoptera
- **385.** Entomology word was taken from Greek language

- **386.** Father of Insect Physiology is Wiggelworth
- **387.** The first pesticide was discovered by -Millardet-(1882)
- **388.** DDT was discovered by Zedler scientist
- **389.** First insecticide discovered was DDT
- **390.** Plant protection and quarantine Act was pased in the year of -1912
- **391.** insecticide act was passed in 1968
- **392.** destructive insect and Pest Act was passed in 1914
- **393.** Maximum % age of insecticide is used in which crop Cotton (54 %)
- **394.** "Warfarin" is a rodenticide
- 395. Contact insecticides are DDT, Malathian, Aldicarb, Monocrotophos, Aldrin, etc.
- **396.** Bio pesticides are NPV, GV, Bacillus thuringiensis etc.
- **397.** Pest population should be kept below the Economic Threshold level
- **398.** Very safest insecticidede for honeybee Endosulphon
- **399.** Rat poison is known as Zinc phosphide (Zn3P2)
- **400.** Lead arsenate was first used in 1832 by Moulton
- **401.** Overhead cost is known as Fixed cost
- **402.** Price theory is a branch of Mico- Economices
- **403.** Average cost is e ual to Total cost / Output
- **404.** Land rent is an example of fixed cost
- **405.** prime cost is also known as Variable cost
- **406.** opportunity coast is also known as alternative cost
- **407.** The father of economics is Adam Smith
- **408.** Diminishing return is also known as Law of variable
- **409.** The most effective way to overcome the defects of agricultural marketing is Regulating marketing
- **410.** the law of variable proportion is generally referred to as the law of diminishing return production is a function of Factors
- **411.** AGMARK act was enforced in a year 1937
- 412. In mixed farming, the contribution of livestock to gross farm income is at least
- **413.** Input -Output relationship is also known as production function
- 414. Those product, in which two product produced together are called joint product
- **415.** Dumping activity is seen under monopoly
- 416. Export Import bank of India was set up on 1st January, 1982
- 417. IRDP was stared in the year of 2 Oct, 1980
- **418.** When marginal production is zero, then total production is maximum
- **419.** National demonstration \project was stared in the year
- **420.** KVK is also known as Farm science centre
- **421.** KVK was stared in the year 1974
- **422.** Operational Research Project was stared in the year 1974-75
- **423.** lab to land programme was stared in the year 1979 June 1
- **424.** National agri. technology project was stared in the year 1998-99
- **425.** KVK was recommended by Mohan Singh Mehta Committee (1974)
- **426.** Community Development Project was stared on 1952
- **427.** National Extension Service (NES) was stared in the year of 1953
- **428.** Firka Development Scheme was launched under the guidance of National Commission of Agriculture was set up by government of India 1970

- **429.** HYVP was started in the year of 1966
- **430.** Marthendam programme was started by Dr. Spencer Hatch in 1921
- **431.** etawah Pilot project was started by Mr. Albert Mayer in Sep 1948
- 432. Indian village Service was started in 1945 by Mr. Arther T. Mosher and Shri BN gupta
- 433. The aim of Etowah Pilot project is Introducing intensive work on the Rural reconstruction front
- 434. Intensive Agriculture District programme was popularly known as Package programme
- 435. IRDP was lunched on 2 oct 1980
- **436.** National Agricultural Research project was launched in Jan, 1979
- 437. T&V system was evolved in 1973 by Israeli expert Daniel Benor At Turkey
- 438. Training of Rural Youth for Self Employment (TRYSEM) in 1979
- **439.** Total number of KVK operating in the country till Dec 2011 600
- **440.** Antuadya Yojana was started in 2 oct 1977
- 441. Sampoorna Grammeen Rojgar Yojna was started in the year of 2001
- **442.** FCI was started in 1970
- **443.** FISCAL commission was appointed in 1949
- 444. Multiple Cropping Programming was Started in 1966
- **445.** First irrigation commission was appointed in 1901
- **446.** first deptt. of agriculture was established in 1881
- **447.** the extension work must be based on the Need and interest of people
- **448.** Father of Extension- J paul Leagons
- **449.** father of Sociology- August Commte
- **450.** National agricultural innovation project was stared in 2005
- **451.** Total number of national bureaux are six
- **452.** Formula of coefficient of variance is SD/Mean \*100
- **453.** t test is generally used, when sample size is < 30
- **454.** The correlation coefficient lies between --1 to +1
- 455. The experimental design, which simultaneously control the variation in two directions is known as LSD
- **456.** The basic principles of field experimentation 1 Replication 2 Randomized 3 Local control
- **457.** The technique of analysis of variance was developed by R.A. Fisher
- **458.** If fertility gradient of land is in two directions, the experimental design will be Latin Square design
- **459.** the most commonly used measure of control tendency is Arithmetic mean
- **460.** Cumulative frequency is also known as Ogive
- **461.** The term 'Kurtosis' was given by Karl Pearon (1906)
- **462.** Laplace used the normal distribution in Analysis of errors of experiments
- **463.** the important method of least squares was introduced by Legendre in 1805
- **464.** The name "Normal distribution" was coined independently by Peirce Galton and Lexix, (1875)
- **465.** Normal distribution is also known as Law of error ,law of facility of error, lapace's seconf law , gaussion law etc.
- **466.** Generalize mean is also known as Power mean or Holder mean
- **467.** The standard deviation is widely used measure of Variability ordisperson
- **468.** The term standard deviation was first used by Karl Pearson in 1894
- **469.** if mean, medium and mode is equal, then skewness will be zero
- **470.** Correlation's are useful because they can indicate a Predictive relationship
- **471.** which ANOVA is used when the experimenter want to study the effects of two or more treatment variables Factorial ANOVA

- **472.** Which ANOVA is used when the subjects are subjects to repeated measures , in which the same subjects are used for each treatment Two- Way Anova
- 473. The completely randomized design is considered to be most useful in situation where
  - 1. The experimental units are homogeneous
  - 2. The experimental are small such as Laboratory experiments
  - 3. Some experimental units are likely to be destroyed
- **474.** In field experiments the commonly used design is RBD
- **475.** For chi- square test, the minimum sample size should be -50
- **476.** Define biometry It deals with observation with living thing
- **477.** mean, median and mode are equal in normal distribution
- 478. most frequent number in a data set, is known as mode
- **479.** the well-known example of skewed distribution is Personal wealth
- **480.** Harmonic mean is the Reciprocal of arithmetic mean
- **481.** the term z test is often used to refer specifically to the one sample location test
- **482.** t Test is a Parametric test
- 483. the goodness of fit test is also known as kolmogorov smirnov test
- **484.** The number of independent pieces of information that go into the estimate of a parameter is called Degree of freedom
- **485.** The typical symbol for degree of freedom is d.f.
- 486. F-test was coined by George W. Snedecor, in honour of sir Ronald A fisher
- **487.** The term "water harvesting" was first used by myors
- 488. The force working with the attraction of water molecules toward each other is known as Cohesion
- **489.** The force working with the attraction of water molecules toward solid particles is known as Adhesion
- **490.** The water held tightly to the surface of soil particles by adsorption forces is known as Hygroscopic water
- **491.** Water held by force of surface as continuous film around soil particles and in capillary space is known as capillary water
- **492.** Capillary water is held between tension of 31 and 1/3 atmosphere
- **493.** the movement of water from the surface into the soil is Called Infiltration
- **494.** The water moves freely in response to gravitational force and drain out of the soil is called as gravitational water
- 495. the water between field capacity & permanent wilting point is called as Available water
- **496.** Drip irrigation concept was proposed by Simcha blass
- **497.** One ha. Cm of irrigation is equal to 100000 litters
- **498.** major source of irrigation in India is wells (52%)
- **499.** Which irrigation method is widely used in fruit orchard Bain method
- **500.** Intermittent on & off system used in irrigation method is
- **501.** the automatic method of surface irrigation is Coblegation
- **502.** leading state in drip irrigation in India is Maharashtra
- **503.** Soil moisture is measured by Tension meter
- **504.** Water requirement of irrigation wetland rice is about -1500MM
- **505.** total water requirement of sugarcane crop is 200-300 cm
- **506.** in saline soil, the method for irrigation used s flood method
- 507. pF value was first introduced by- Schofield
- **508.** vertical movement of water in soil is known as Percolation

- **509.** ET are measured by Lysimeter
- **510.** parsall flume is used for measurement of water Flow
- **511.** Sericulture is also known as -Silk Farming
- **512.** the rearing of silkworms for the production of raw silk is known as Sericulture
- **513.** How much silkworms are required to produce 1kg of silk 5500
- 514. How much people are engaged in various sericulture activities in the country 60 lakh
- 515. Central Sericulture research & Training Institute is situated at Mysore, Karnataka
- **516.** Sericulture has been practiced for at least 5000 years in china
- **517.** Apiculture is also known as bee keeping
- **518.** Apiculture word was taken from Latin world
- **519.** A location where bees are kept is called An Apiary
- **520.** A beekeeper is also known as Apiarist
- **521.** A beekeeper bee in order to Collect honey, bee wax, to pollinate crops, to produce bees for sale
- **522.** What is beekeeping I is maintenance of honey bee colonies, commonly in hives, by humans
- 523. the two economically important products of bee keeping is Honey and wax
- **524.** average yield of Indian bee is 6-8 Kg/Cony/year
- 525. The main freshwater fish are Cop and catfish
- **526.** the main brackish water fish are Hilsa and mullet
- 527. central Institute of marine Fisheries Research was established Kochi, kerla
- **528.** The central inland fisheries Institute was established at Barrack pure (W.B)
- **529.** The central institute of fisheries technology was est. at Wwellindon Island near Kochi, Kerala
- **530.** Hydroponics' is also known as Soil less culture
- **531.** The Method of growing plants using minerals nutrients solutions, in water, without soil is called hydroponics
- **532.** In 1699 john Woodward published his water culture experiment with the crop of Spearmint
- **533.** Hydroponics traditionally known as solution culture
- **534.** First time who promoted that solution culture can be used for agriculture crop production Prof. William Frederich Gericks, University of California at Berkeley in 1929
- **535.** The term Aquaculture for hydroponics was used for the first time by Prof. William F.G.
- **536.** The Mutant Varity of rice is Jagannath
- **537.** The Pecursor of vitamin A is Bita carotene
- 538. Azolla is a a uatic fern
- **539.** The Blur revolution in India was started during fifth five year plan (1970)
- **540.** Evergreen revolution is related to Sustainable crop Production
- **541.** Precision Farming is also known as Site specific management
- **542.** SRI technique Was developed in Madagascar
- **543.** The term synecology was given by Schroter & Kirchner (1902)
- **544.** Pusa Mukta is the cultivar of Cabbage
- **545.** World's super rice variety, which is suitable for saline / Alkaline soil conditions is –Lunishree
- **546.** NRCMAP is currently est. at- An and (Gujarat)
- **547.** IPR stands for intellectual Property Right
- **548.** Beaufort Scale is used t measure WIND pressure / strength
- 549. What is dioeciously? Those plants which contain on male and female flowers
- **550.** The element that play an important male and female protoplasm constituent is calcium
- **551.** Wheat is a C3 plant

- 552. The plant parasite nematode was first time reported by -Kanche
- 553. Mean ,Median and Mode is equal in Normal distribution
- **554.** The inflorescence of jowar is called Panicle
- 555. Gromer, SCU and CDU are the Slow release fertilizers
- 556. Low of tolerance was introduced by SHELFORD
- **557.** End product of glycolysis is Pyruvate
- **558.** define lithophytes The plant grown is rock cervices are called lithophytes
- **559.** During glycolysis, the Net gain of ATP is 2
- **560.** Phosphorus is extracted by Olsen method
- **561.** The correlation between price and demand of a commodity is –negative
- **562.** The limit of partial correlation coefficient is --1 to +1
- 563. For reclamation of saline and Alkaline soils used are Gypsum and Pyrite
- **564.** The term ecosystem was coined by A.G.Tansley (1935)
- **565.** What is parthenocarpy The development of fruit without fertilization
- **566.** The development of embryo without fertilization is called Apomixes
- **567.** Relative humidity is measured by- Pshychrometer
- **568.** Father of Indian pale botany is Birbal sahni
- **569.** The weed used for ornamental purpose is- Lantana Camaera
- **570.** The core component of chlorophyll is -Mg
- **571.** The soybean is sown at the depth of 3 cm
- **572.** The most prominent soil of India is Alluvial soil
- **573.** Chaisma is seen during Diplotene sub Phase
- 574. The current method used for control of bollworm in cotton is Bt. transgenic cotton produced
- **575.** Photo- Respiration occurs in Chloroplast
- **576.** Water use efficiency is highest in which plants CAM Plants
- 577. Chromosomal theory of inheritance was proposed by- Sutton & Boveri
- **578.** The price fixed by govt. is called minimum support price
- **579.** The present farming system of India has become Market oriented
- **580.** Which chemical is mostly used for breaking tuber dormancy in potato-thiourea
- **581.** The term water harvesting was first time used by Mayers
- **582.** The first commercial hybrid cotton of the world is Hybrid -4
- **583.** International Day for biological diversity 22 May
- **584.** Measuring of heights one by Clinometer
- **585.** The number of electrons for convertion of No3 to NH4-16
- **586.** Bangalore is also known as Garden city
- **587.** origin of potato is from Peru (S. America)
- **588.** Dormancy breaking hormone is cytokinin
- **589.** the element involved in energy transfer and storage in plants is Phosphorus
- **590.** Fruit ripening hormone is Ethylene
- **591.** which is the antidote of insect poisoning -Atropine
- **592.** Minimum support price is formulated by- CACP(total 28 crops)
- **593.** Luxury consumption or maximum uptake nutrient is- K
- **594.** Crop canopy temperature is measured by Infra red thermometer
- 595. Secondary Plant nutrients are- Ca, Mg, & S
- **596.** hulling % age in rice is 65 %

- **597.** First agriculture chemist of Imperial Agricultural Research Station was
- **598.** Which method of s.cane sowing prevents the lodging Trench method
- **599.** Inflorescence of sugarcane is called Arrow
- **600.** Shedding of plants part is due to ABA hormone
- **601.** First hybrid in the world of red gram is -ICPH-8
- 602. The most preferable soil structure for agriculture is Granular & Crumby
- **603.** Taxonomically organic soils are Histosols
- **604.** Which soil is most suitable for dry land agriculture Black soil
- **605.** First man made cereal is Triticale
- **606.** Dead heart and white ear disease is related to Rice
- **607.** IBPGR is situated at Italy, Rome
- **608.** India's share in the fruit production in the world is 10 %
- **609.** What is relay cropping The second crop sown before harvesting of first crop
- **610.** Measurement of sunlight intensity is expressed in Lux units(old)/Einstein(new)
- **611.** In water logged arid gas found in abundant Methane
- **612.** Curing process is related to the crop- Tobacco
- 613. The book "nature & Properties of soil" is written by N.C. Brady
- 614. Chemical used for delinting of cottons H<sub>2</sub>So<sub>4</sub>
- **615.** Maximum N loss in rice crop is due to Denitrifiaction
- **616.** Wind velocity can be measured by Anemometer arrio.
- **617.** Queen of spices is Cardamom
- 618. buck wheat is called Psedo cereal
- 619. Very dangerous disease of s.cane is red rot
- **620.** World's staple food is Rice
- **621.** Fibre of cotton contains Cellulose
- 622. Movement from higher concentration to lower concentrationn is known as diffusion
- **623.** Gold of America is known as Soybean
- 624. Formula of Net Capital ratio is Total assets /Total liabilities
- **625.** Theory of evolution was given by charles Darwin
- 626. Which Indian Scientist shared world food prize for miracle maize Dr. Surinder K. Vasal
- **627.** ICAR day is celebrated on 16 July
- **628.** Light red carnation represent to Admiration
- 629. ANOVA table stands for analysis of Variance
- 630. Formula of harvest index is Economical yield / Biological yield \* 100
- **631.** RBI was est. in 1935
- **632.** Who discovered vitamin Funk
- **633.** Regur soil refers to Black soil
- **634.** Biological active form of glucose is D-form
- **635.** Lodging preventor is CCC (Cycocel)
- 636. FAO was started in 1948
- **637.** Which design is used when fertility gradient is in two direction LSD
- 638. International pest is Schistacerca gregaria
- 639. Bhoodon movement was started in 1951
- **640.** Cooperative movement was started by F. Nicholus (1904)
- **641.** Flared square symptoms are seen in cotton due to the Spotted boll worm

- **642.** CAN is a Neutral fertilizer
- **643.** Root promoting hormone is IBA
- **644.** Ooze test is done for detecting Bacteria
- **645.** First product of urea hydrolysis is Ammonium Carbamate
- 646. NABARD was set up on the recommendation of Siva Raman committee ,Narsimhan Committee 1982
- **647.** The trade name of BHC is Grammexone
- 648. Who discovered mitocondria C. Benda(1897)
- **649.** Bt cotton was discovered in 1901 japan by Ishwata
- **650.** the term cytokinin was proposed by - Letham (1963)
- **651.** Kinetin and zeatin are the Cytokonins
- **652.** photosynthesis is an Oxidation Reduction process
- 653. Largest importer of cut flower in the world is Germany
- 654. Gibberellin was discovered for the first time used by - Kurosowa
- 655. Water soluble vitamin is Vitamin -C
- 656. Greenhouse effect is also known is -- Global warming
- **657.** VAM act as a Symbiotic association
- 658. LEISA stand for Less external input sustainable agriculture
- **659.** Blue Revaluation in India was started during Fifth five year plan (1970)
- **660.** who discovered pH concept Sorenson
- **661.** DRIS concept given by –Beaufils
- **662.** The term 'remote sensing' was first used in USA
- **663.** Acidity in gram leaves is due to Malic acid / oxalic acid
- **664.** Photosynthetic rate is highest in c4 plant
- **665.** Lock and Key Model was proposed by Fisher
- 666. Anti Sterility vitamin is Vitamin E
- 667. Double seed formation in cotton is due to Pink bollworm
- **668.** Forest conservation act was made in 1980
- **669.** Netural parthenocarpy is found in Banana
- **670.** the term vernalization was coined by TD Lysenco
- **671.** Chemical relationship is done between two cells by-Plasmodesmata
- 672. White revolution was accomplished by which scientist V. Kurien
- 673. How much time is needed for sterilization in autoclave 15 minutes
- **674.** In which bacterial reproduction phase, virus is involved Transduction
- 675. First plant flower mandi was situated at-BANGLORE
- **676.** Regional Plant resource centre is situated at Bhubaneswar
- **677.** Cultivation of crops in areas where the annual rainfall is less than 750 mm is called- Dry Farming
- **678.** Central soil salinity research institute is situated at -Karnal (HR)
- **679.** What is the ideal location of greenhouse- North South
- **680.** According to ICMR vegetable required per capita per day is 300 gram
- **681.** Biggest tree of the world is Baniyan tree
- **682.** Kisan call cente begun in the year 2004
- **683.** Net cultivated area of India is 143
- **684.** Kisan divas is celebrated on 23 Dec.
- **685.** The share of agriculture in global warming is Approx. 25 %
- **686.** Environment day is celebrated on 5 th June

- **687.** Which element is responsible for nodulation in legumes Phosphorous
- **688.** Fingerprinting is related to which crop Pineapple
- **689.** yellow vein mosaic virus disease is related to Bhindi
- **690.** Which clay Mineral is dominant in Black soil- Montmorillonite
- **691.** Sprouting in onion is controlled by the hormone of –MH
- 692. Which chemical/ hormone is used for regular bearing in mango- Paclo butrozol (PP333)
- 693. High yielding variety of wheat was developed by -Borlaug
- **694.** break down of clods, crusts and plant material by the impact of particles moved by wind in saltation is called as Abrasion
- **695.** A soil with a pH value less than 7 hence having more hydrogen ions than hydroxyl ions in the soil solution is called as Acid Soil
- **696.** The movement of ions and water into the plant root because of metabolic processes by the root, frequently against an electrochemical potential gradient is referred to as Active absorption\
- **697.** The chemical in commercial product that is directly responsible for the herbicidal activity is called its Active ingredient
- **698.** the transfer of heat energy my means of horizontal mass motions through a medium is termed as Advection
- **699.** A technique in growing plants where in the plants derive their nutrients and eater from a mist of air and aqueous solution that comes in contact with the roots is called Aerophonics
- **700.** A term proposed by Mc Gillchrist in 1965, which is a measure of how much a relative yield increase in component a is greater than for component b is known as -Aggressively
- **701.** The removal of excess water known as free water or gravitational water from the surface of the farm land as to create favourable soil conditions for plants growth is called as Agriculture drainage
- 702. The growing of agricultural crops along with the forest crop is known as Agri- silviculture
- **703.** A land units defined in terms of major climate and growing period, which is climatically the homogenous response of a crop or a farming system is called as Agro climatic zone
- **704.** An alternative renewable fuel ,produced from vegetable oils or animal fats through a refinery recess called trans- esterification is called as Bio diesel
- 705. in India, NRC for medicine and aromatic plants is located at Anand
- **706.** A branch of science, which deals with the stud of grasses, their classification, management and utilization is called Agrostology
- **707.** The area that comprises of all the areas from which water flows out into a common river or water pool is called as-Catchment Area
- **708.** A branch of science, that studies the aspects of climate , which are relevant to the problems of agriculture is called Agro- climatology
- **709.** A Medium, which resists change or a substance added to resist change in concentration of-r pH activity in a solution as called as Buffer
- **710.** the crop which is grown as a substitute for the main crop that has failed on account of unfavourable condition is called as Catch crop
- 711. the ratio of total cropped area in different seasons to the total land area is known as Cropping intensity
- 712. The branch of agriculture which deals with scientific crop production and management is Agronomy
- 713. Cultivation of crops in Areas where rainfall is less than 750 MM per annum is known as dry farming
- **714.** the study of the inter relationship of living organisms with each other and with their environment in an agricultural system is called as Agro- ecology
- 715. The crops that are grown to break the continuity of the agro-ecological situation of the field under

- multiple cropping systems are called as brake crop
- **716.** The competitive interaction between the crop species in intercropping and sequential cropping through the release of chemical substances or toxins is called allelopathy
- **717.** The chemical substance released by one species may inhibit more strongly plants of the producer species it self is termed as Auto inhibition
- **718.** The production technique that combines agriculture and forestry, horticulture or animal husbandry on the same piece of land in the order to fully utilize the natural resources is called as Agro- forestry
- **719.** the fraction of the total solar radiation incident on a body that is reflated by it and expressed in % age is called as Albedo
- **720.** A substance added to a soil for the improvement of its physical and chemical properties is called as Ameliorant
- **721.** An appropriate combination of farm enterprises i.e. cropping system ,livestock, poultry ,fisheries , forestry and the means available to the farmer to raise them for increasing profitability is called as farming systems
- 722. The scientist, who has been called as father of organic farming is albert Howard
- 723. the process of use of micro- organism to remove salts from soil is referred as Bioremediation
- 724. the organization that is related to export of 'Agricultural processed product' is Agri- export zone '
- **725.** "Sugarcane breeding Institute "is located at Coimbatore
- **726.** The ratio between water deficit to potential evapotranspiration and expressed in %age is termed as Aridity index
- **727.** A term given by Donald in 1963, Which is a measure to find out the yield of various crops when grown together as well as separately and indicating the yield per plant of different crops in mixture and their respective pure stand on an units basis is known as Competition Index
- **728.** A biological model which is expected to perform or behave in a predictable manner a defined environment is known as Ideotype
- 729. gene responsible for dwarfing characters in rice is Dee-Gee-Woo-gen

