

PROVISIONAL ANSWER KEY

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Note:

- 1). All Suggestions are to be sent with reference to website published Question paper with Provisional Answer Key Only.
- 2). All Suggestions are to be sent in the given format only.
- 3). Candidate must ensure the above compliance.

101. National Agricultural Drought Assessment and Monitoring System (NADAMS) was conceptualized and developed by _____ ?
- (A) Indian Meteorological Department
 - (B) National Remote Sensing Centre**
 - (C) Central Research Institute of Dryland Agriculture
 - (D) Central Arid Zone Research Institute
102. The reverse phenomenon of cooling of the eastern pacific is called as _____
- (A) La-Nina**
 - (B) Climate change
 - (C) El Nino
 - (D) None of these
103. Increase in soil temperature will _____ N mineralization but its availability may _____
- (A) increase, decrease**
 - (B) decrease, increase
 - (C) increase, increase
 - (D) decrease, decrease
104. Agriculture sector in India contributes approximate _____ % of the total GHG emissions?
- (A) 7
 - (B) 3
 - (C) 14
 - (D) 28**
105. Which nutrient being used in agriculture system has highest adverse effect to the environment?
- (A) N**
 - (B) P
 - (C) K
 - (D) Mg
106. Which is the least persistence pesticide in soil?
- (A) DDT
 - (B) 2,4-D**
 - (C) HCH
 - (D) Aldrin

107. A measure of humanity's demand on nature is known as _____?
(A) P Index (B) Environment Vulnerability Index
(C) Ecological Foot Print (D) T value
108. A measure to characterize the relative severity of various types of environmental problems suffered by individual nations known as _____?
(A) Environment Vulnerability Index
(B) Global Warming Potential
(C) Biocide Residue Index
(D) Environmental Performance Index
109. Full form of IPCC?
(A) International Professionals Committee on climate
(B) International Protocol on Climate Change
(C) Indian Publications on Climate Change
(D) Inter Governmental Panel on Climate Change
110. After which incidence, The Environment Protection Act 1986 enacted in India?
(A) Minamata (B) Chernobyl Nuclear Disaster
(C) Bhopal Gas Tragedy (D) Itai-Itai
111. The Biological Diversity Act enacted in the year of _____?
(A) 2002 (B) 1987
(C) 2000 (D) 2012
112. Zabo Production System consisting of _____ ?
(A) apiculture-horticulture production system
(B) agri-livestock production system
(C) silvi-agri-livestock-fisheries production system
(D) silvi-agri production system

113. Agriculture system in which fields are cleared by firing and are cropped discontinuously is termed as _____?
- (A) Jhum Cultivation (B) Swidden Cultivation
(C) Both a & b (D) None of the above
114. National Institute of Abiotic Stress Management is located at _____
- (A) Malegaon (B) Almora
(C) Trichi (D) Muzaffarpur
115. Which crop has highest contribution in emissions of GHG among agriculture sector emissions?
- (A) Cotton (B) Soyabean
(C) Groundnut (D) Rice
116. Coffee seeds into Coffee powder is a _____ type of utility?
- (A) Form Utility (B) Place Utility
(C) Time Utility (D) Possession Utility
117. “Das Kapital” written by _____?
- (A) Prof. Gray (B) Adam Smith
(C) Lionel Robbins (D) Karl Marx
118. In _____ type of market structure, product with no close substitutes?
- (A) Perfect Competition (B) Oligopoly
(C) Monopoly (D) Monopolistic Competition
119. When Monopsony occurred?
- (A) Many Sellers in market (B) Single Buyer in market
(C) Single Seller in market (D) Many Buyers in market

120. Land holding which provide a reasonable standard of living to the cultivators and give full employment for a family of normal size is known as _____?
- (A) Operational Holding (B) Optimum Holding
(C) Family Holding (D) Economic Holding
121. A person organize and operate the farm business and bears responsibility of the outcome of the business is known as _____?
- (A) Farm Business Manager (B) Farm Entrepreneur
(C) Both A & B (D) None of the above
122. Crop output is _____?
- (A) Independent Variable (B) Dependent Variable
(C) Constant (D) All of the above
123. If Elasticity of Production is < 1 than Total Physical Product is _____?
- (A) Zero (B) Decreasing
(C) Maximum (D) Minimum
124. Dryland farming is the cultivation of the crops in the regions with an annual rainfall of _____ mm?
- (A) > 750 (B) < 750
(C) > 1150 (D) > 1500
125. An individual farmer is the owner, manager and organizer of the farm categorized in _____ farming?
- (A) State Farming (B) Capitalistic Farming
(C) Collective Farming (D) Peasant Farming
126. By using formula Gross income – Cost C, what will be calculated?
- (A) Net Income (B) Farm Business Income
(C) Farm Investment Income (D) Family Labour Income

127. Medium term loans are extend for the period of _____?
(A) 24-36 months (B) 15-60 months
(C) 6-18 months (D) 60-120 months
128. In _____ year, KCC (Kisan Credit Card) schemes stated in the budget speech by Finance Minister ?
(A) 1975-76 (B) 1988-89
(C) 1998-99 (D) 2004-05
129. The Central AGMARK Laboratory is located at _____?
(A) Faridabad (B) New Delhi
(C) Nagpur (D) Mumbai
130. Information related to such facts as the prices that prevailed in the past and market arrivals over time is known as _____?
(A) Market Outlook (B) Market Intelligence
(C) Market News (D) All of the above
131. The majority of the Anand district soil is _____ type.
(A) Clay (B) Sandy
(C) Sandy loam (D) Loamy
132. Major crop grown in Gujarat state is _____ ?
(A) Wheat (B) Rice
(C) Bajara (D) Maize
133. _____ is predominantly cultivated oil seed crop in Gujarat state.
(A) Castor (B) Sesamum
(C) Groundnut (D) Soyabean
134. Total water requirement of ground nut crop is _____ mm.
(A) 350-400 (B) 450-500
(C) 500-550 (D) 600-650

135. Cropping intensity of Gujarat state is _____ %.
- (A) 120.5 (B) 118.6
(C) 123.6 (D) 103.2
136. The ultimate irrigation potential through surface water is accessed at _____ lakh ha.
- (A) 35.20 (B) 42.10
(C) 39.40 (D) 45.20
137. With a view to educate the farmers regarding micronutrient availability and its use, Government has launched new programme to prepare the map showing micronutrient status of village on
- (A) GPS basis (B) GIF basis
(C) GIS basis (D) GII basis
138. _____ types of soil are dominating in Gujarat state.
- (A) Dry to medium black (B) Poorly drain & saline
(C) Sandy loam to sandy (D) Sallow medium black calcareous
139. The climate of north west zone is characterized by _____ .
- (A) Semi arid to dry sub humid (B) Arid to semi arid
(C) Dry sub humid (D) Humid
140. Out of total area of Gujarat state, _____ % falls under arid and semi-arid climatic zone.
- (A) 58 (B) 78
(C) 68 (D) 88
141. In the northern region of Gujarat state, weather is marked by a _____ climate.
- (A) Dry and arid (B) Sub humid
(C) Moist (D) Hot

142. In the south region of Gujarat state, weather is marked by _____, owing to the Arabian Sea and the Gulf of Cambay.
(A) Moist (B) Dry and arid
(C) Sub humid (D) Hot
143. Krishi Mahotsav promises an innovative approach
(A) To reinvent agricultural extension
(B) To reconnect the scientist with the farmer
(C) To extend the farmer's production possibility frontier
(D) All of above
144. Under delay onset of monsoon, farmers are recommended to _____.
(A) Sown early maturity crop
(B) Adoption of relay cropping
(C) Adoption of inter cropping to reduce the risk
(D) All above
145. If rains are delayed beyond the end of July, then _____ sesame variety should be recommended for cultivation.
(A) Gujarat Til-1 (B) Gujarat Til-3
(C) Gujarat Til-2 (D) Purva-1
146. Under _____ rainfall conditions, sorghum is better than pearl millet.
(A) Delayed (B) Normal
(C) Early (D) None of these
147. Under early withdrawal of monsoon, farmers are recommended to _____.
(A) Soil cracks should be closed by inter-culturing operations
(B) Thinning the plant population
(C) Harvest at intervals as the plants show physiological maturity
(D) All above

148. Relay cropping of safflower, sunflower, fodder type of sorghum and mustard are advisable under _____ situation.
(A) Early withdrawal of monsoon (B) Delay withdrawal of monsoon
(C) Late onset of monsoon (D) None of these
149. In nitrification process, nitrite is converted to nitrate by _____
(A) Rhizobium (B) Nitrobacter
(C) Azotobacter (D) Nitrosomonas
150. Zero tillage system was first used successfully in 1950 in pasture renovation in _____ country.
(A) Germany (B) United Kingdom
(C) Japan (D) U.S.A
151. National Bank for Agriculture and Rural Development (NABARD) was established in the year of _____?
(A) 1975 (B) 1962
(C) 1945 (D) 1982
152. Which state had started Rythu Bazar?
(A) Karnataka (B) Maharashtra
(C) Andhra Pradesh (D) Tamil Nadu
153. Which agency is working towards establishing an ecosystem for FPOs / FPCs to make them sustainable and viable in long run _____?
(A) Small farmer Agri-Business Consortium
(B) National Cooperative Development Cooperation
(C) Council of State Agricultural Marketing Boards
(D) Commission for Agricultural Costs and Prices
154. Commission for Agricultural Costs and Prices recommends minimum Support Price for _____ number of cereals?
(A) 5 (B) 3
(C) 7 (D) 4

155. What is the tagline of National Agriculture Market (eNAM)?
(A) Kisano ki abadi (B) Unnat Fasal, Unnat Daam
(C) Unnat Daam ki Guarantee (D) Uttam Fasal, Uttam Inam
156. What is the contribution of Horticulture Sector in the total Agricultural economy of Gujarat?
(A) 13 (B) 20
(C) 17 (D) 27
157. Gujarat contributes about _____ % of total castor production of the Country?
(A) 84 (B) 63
(C) 77 (D) 59
158. Agriculture accounts for about _____ % of India's total export?
(A) 3 (B) 7
(C) 17 (D) 10
159. India ranked _____ among global producer of agrochemicals?
(A) 2 (B) 4
(C) 5 (D) 9
160. Name the agency which was established to upgrade the skills of Cultivators and Agricultural Labours?
(A) Agriculture Skill Council of India
(B) Agricultural Skill Development Corporation
(C) Indian Institute for Skill Enhancement for Agriculture
(D) Society for Agriculture Skill, Training and Capacity Building
161. The slogan "*Per Drop More Crop*" was given by
(A) Lal Bahadur Shastri (B) Jawahar Lal Nehru
(C) Narendra Modi (D) Atal Bihari Vajpayee

162. The first State Agriculture University of India is situated at
(A) Pantnagar (B) Kanpur
(C) Bangalore (D) Solan
163. The headquarter of N.H.B is situated at
(A) Bangalore (B) Gurgaon
(C) Abohar (D) Chandigarh
164. Which are the basic elements?
(A) C,H,O (B) N,P,K
(C) Ca,Mg,S (D) Fe,Zn,Cu
165. Yellow spot on leaves is due to deficiency of
(A) Zn (B) M_o
(C) Cu (D) Mn
166. Which soil type has highest P fixation capacity
(A) Acid (B) Alluvial
(C) Laterite (D) Black
167. Structural and mobile elements in plants are
(A) N,S,P (B) Zn,B, M_o
(C) Ca,Mg,K (D) Mn,Cu, M_o
168. Which of the following is not a green house gas?
(A) CO_2 (B) O_2
(C) CH_4 (D) All of these
169. Production of virus free plant from virus infected tissue is done through
(A) Cell culture (B) Meristem culture
(C) Auxillary culture (D) Node culture

170. The first somaclonal variant generated variety in mustard is
(A) Pusa Kranti (B) Pusa Jailaxmi
(C) Pusa Phalguni (D) Pusa Jaikisan
171. It is now possible to breed plants and animals with desired characters through
(A) Genetic engineering (B) Ikebana technique
(C) Chromosome engineering (D) Bonsia technique
172. Specific biomolecule which show detectable differences among different strains of a species is
(A) DNA fingerprinting (B) Molecular scissors
(C) Molecular markers (D) Molecular breeding
173. Which of the followings fruits are indigenous to India?
(A) Mango (B) Aonla, Phalsa
(C) Bael, Jackfruit (D) All of these
174. Which fruit crop has the highest chromosome?
(A) Cashew nut (B) Mango
(C) Mulberry (D) Pineapple
175. Which one is botanically not a fruit?
(A) Cashew apple (B) Custard apple
(C) Wood apple (D) Jackfruit
176. Green leafy vegetables are rich source of
(A) Vitamins (B) Minerals
(C) Both (A) and (B) (D) None of these
177. Aroma containing compound present in onion is
(A) Diallyl disulphide (B) Dimethyl disulphide
(C) Allylpropyl disulphide (D) Isothiocynate

178. Petunia show which type of self incompatibility
(A) Gametophytic (B) Both (A) and (C)
(C) Sporophytic (D) None of these
179. The crop in which anthesis takes place during evening hours is
(A) Bottle gourd (B) Musk melon
(C) Bitter gourd (D) Water melon
180. Which is a leading state in flower acreage in India?
(A) Tamil Nadu (B) Andhra Pradesh
(C) Karnataka (D) Maharashtra
181. Largest producer of perfumery product in the world is
(A) Switzerland (B) Netherland
(C) Bulgaria (D) None of these
182. Leading rose producing state in India is
(A) Tamil Nadu (B) Karnataka
(C) Maharashtra (D) West Bengal
183. The word “democracy” is derived from
(A) Latin words (B) Greek words
(C) French words (D) Japanese words
184. High production in protected cultivation is due to
(A) Photosynthetic efficiency (B) High O₂
(C) High temperature (D) All of above
185. Which variety of potato is very early and photo insensitive?
(A) Kufri Chamtkar (B) Kufri Jyoti
(C) Kufri Naveen (D) Kufri Alankar

186. Which is a village assembly where all the registered voters of the village are the members?
(A) Gramsamiti (B) Gramsabha
(C) Gram Panchayat (D) None of the above
187. ATMA is an autonomous institution set up at district level to ensure delivery of
(A) Small and marginal farmers (B) Big farmers
(C) Only small farmers (D) Only marginal farmers
188. Which bank is set up as an apex Development Bank with a mandate for facilitating credit flow and development of agriculture, small-scale industries, cottage and village industries, handicrafts and other rural crafts?
(A) RBI (B) World Bank
(C) IDBI (D) NABARD
189. National Dairy Development Board was set up with the basic objective of replicating the AMUL model in the year
(A) 1952 (B) 1960
(C) 1958 (D) 1965
190. The AMUL model was founded to stop the exploitation by middlemen in milk sector in the year
(A) 1946 (B) 1952
(C) 1948 (D) 1955
191. How many District Cooperative Milk Producers Unions are the members of GCCMF?
(A) 18 (B) 25
(C) 20 (D) 16

192. Which agency is acting as a Nodal Agency of Directorate of Agriculture, for disbursing subsidies to the farmers, under its own schemes in Gujarat State?
- (A) Gujarat Seed Certification Agency
(B) Gujarat State Seed Corporation
(C) Gujarat Agro Industries Corporation
(D) None of above
193. A Cooperative is an autonomous association of persons united
- (A) Compulsory (B) Voluntarily
(C) Profitarily (D) None of the above
194. Adding files to an e-mail is called
- (A) Send (B) Link
(C) Files (D) Attachment
195. Indian Farmers' Fertiliser Cooperative Limited (IFFCO) was established in the year
- (A) 1967 (B) 1965
(C) 1969 (D) 1970
196. The concept of economic development is
- (A) Narrower than that of economic growth
(B) Wider than that of economic growth
(C) Same as economic growth
(D) Not related to economic growth
197. The 'Indian Economic Survey' is published officially every year by the
- (A) Union Ministry of Finance
(B) Union Ministry of Commerce
(C) Planning Commission of India
(D) Reserve Bank of India

198. The most appropriate measure of a country's economic growth is its
(A) Gross domestic product (B) Net domestic product
(C) Net national product (D) Per capita real income
199. Per capita income is calculated as
(A) Income of each state divided by its population
(B) Per head of individual income divided by total population
(C) Gross national income divided by total population
(D) Total population multiplied by factor income
200. The important factor responsible for low productivity in agriculture is
(A) Demographic factor (B) Technological factor
(C) Institutional factor (D) Structural factor
201. Dualistic economy refers to
(A) Existence of barter and money
(B) Existence of market economy and subsistence economy
(C) Existence of private and public sector
(D) None of above
202. Which is the appropriate rate of discount to use in Cost-benefit Analysis of a development project?
(A) Private Rate of Discount (B) Market Rate of Discount
(C) Social Rate of Discount (D) Treasury-bill Rate of Discount
203. Gujarat-67 and American nectariless are parents of cotton hybrid

(A) Hybrid-4 (B) Hybrid-6
(C) Varlaxmi (D) Vikram
204. A technique utilized to produce haploids in male sterile plants is
(A) Androgenesis (B) Gynogenesis
(C) Breeder seed (D) Truthful seed

205. Which technique permits production of allotetraploid in a single step
(A) Polycross hybrid (B) Somatic hybrid
(C) Double cross hybrid (D) Three way cross hybrid
206. The organic matter of soils is ordinarily obtained by multiplying the carbon content by
(A) 1.42 (B) 1.82
(C) 1.72 (D) 1.92
207. The carbon nitrogen ratio in cultivated soil is stabilized at
(A) 20:1 to 30:1 (B) 10:1 to 12:1
(C) 4:1 to 9:1 (D) None of these
208. To prevent denitrification losses of nitrogen in paddy field, nitrogen should be applied in the
(A) Reduced zone (B) Hydronized zone
(C) Oxidized zone (D) Calcified zone
209. Intercropping is a system of cropping to make the maximum use of
(A) Solar energy (B) Soil resource
(C) Water resources (D) All above
210. The most effective cropping system for returning mineral elements to the soil is
(A) Monocropping (B) Double cropping
(C) Crop rotation (D) Relay cropping
211. Which of the following is the pre-requisite for multiple cropping
(A) Irrigation facility (B) Availability of HYV
(C) Intensive use of fertilizers (D) All of the above

212. The cereal crop which is most suitable for saline sodic soils is
(A) Wheat (B) Maize
(C) Barley (D) Sugarcane
213. The fruit of rapeseed and mustard is known as _____
(A) Pod (B) Siliquae
(C) Caryopsis (D) Dutum
214. The protein content in soyabean seeds is about _____ per cent
(A) 40 (B) 20
(C) 30 (D) 10
215. "Arrowing" refers to
(A) Flowering of wheat (B) Flowering of maize
(C) Flowering of cotton (D) Flowering of sugarcane
216. The type of germination in mungbean is known as _____.
(A) Epigeal (B) Hypo-epigeal
(C) Hypogeal (D) Epi- hypogeal
217. The bacteria responsible for nitrogen fixation in soyabean is _____.
(A) *Rhizobium japonicum* (B) *Rhizobium leguminosarum*
(C) *Rhizobium phaseoli* (D) *Rhizobium glycyicum*
218. The *Triticum aestivum* is _____ wheat.
(A) Diploid (B) Hexaploid
(C) Tetraploid (D) Monoploid
219. Wherever only two irrigations are available, the wheat crop should be irrigated at _____.
(A) CRI and tillering (B) CRI and milking
(C) CRI and flowering (D) CRI and late jointing

220. Maize protein is deficient in_____.
- (A) Betadine (B) Lysine
(C) Tryptophane and lysine (D) Tryptophane
221. National Research Centre for orchid is located at
- (A) Orissa (B) Haryana
(C) Sikkim (D) Punjab
222. Central Potato Research Institute is situated at
- (A) Lucknow (B) Dehradun
(C) Shimla (D) Nainital
223. National fruit of India is
- (A) Banana (B) Mango
(C) Guava (D) Litchi
224. The Taj garden of Agra (Taj Mahal) is the typical example of
- (A) Italian Style of gardening (B) Indian Style of gardening
(C) Japanese Style of gardening (D) Mughal Style of gardening
225. John Innes Horticultural Institute is located at Kent in
- (A) China (B) Australia
(C) Italy (D) England
226. National Research Centre for Mushroom is located at
- (A) Gujarat (B) Punjab
(C) Himachal Pradesh (D) Haryana
227. APEDA was established in
- (A) 1978 (B) 1985
(C) 1990 (D) 1982

228. International Institute of Horticulture is located in
(A) China (B) Italy
(C) Brazil (D) England
229. "Golden Revolution" is associated with
(A) Golden rice (B) Egg production
(C) Jatropha production (D) Fruit production
230. The first president of Horticulture Society of India
(A) Dr. K.L.Chadha (B) Dr. B.P.Pal
(C) Dr. G.S.Randhawa (D) Dr. M.S.Randhawa
231. Which do not adorn in as D.G. of I.C.A.R?
(A) Dr. K.L.Chadha (B) Dr. S.Ayyappan
(C) Dr. Trilochan Mohapatra (D) Dr. B.P.Pal
232. Pungency in chilli is due to presence of
(A) Sulphur (B) Magnesium
(C) Amides (D) Capsaicin
233. The redness of apple is due to
(A) Carotene (B) Anthocyanin
(C) Chlorophyll (D) Xanthophyll
234. Food Product Order was initiated in
(A) 1950 (B) 1945
(C) 1955 (D) 1965
235. *HortScience* is a publication of
(A) ASHS, USA (B) JSHS, Japan
(C) ISHS, Belgium (D) HSI, India

236. Yellow coloured fruits are rich in
(A) Vitamin-A (B) Vitamin-B
(C) Vitamin-C (D) Vitamin-D
237. The cheapest method of preservation is
(A) Freezing (B) Canning
(C) Heating (D) Drying
238. Father of canning is
(A) Nicolas Appert (B) Verghese Kurien
(C) Louise Pasteur (D) Bergilius
239. Which of the following is a primary preservative?
(A) Salt (B) Alcohol
(C) Sugar (D) Both A and C
240. In many fruits ripening is associated with the rapid increase in
(A) Evaporation (B) Chemical properties
(C) Physical properties (D) Respiration
241. *Callosobruchus chinensis* is storage pest of:
(A) Gram (B) Groundnut
(C) Rice (D) Wheat
242. Which of the following laboratory host is used for the multiplication of egg parasitoids?
(A) *Spodoptera litura* (B) *Chilo partellus*
(C) *Corcyra cephalonica* (D) *Helicoverpa armigera*
243. White grub beetles lay eggs in/on:
(A) On the underside of leaf
(B) Singly in loose soil up to depth of 10 cm
(C) On the plant stem at the level of ground
(D) Within the floral parts

244. Use of resistant varieties in the IPM of insect is an example of:
(A) Legal control (B) Chemical control
(C) Cultural control (D) Biological control
245. Following granular insecticide is/was having a long residual effect:
(A) Phorate (B) Carbofuran
(C) Quinalhos (D) Aldicarb
246. The insecticide which is used in mosquito mats is :
(A) Endosulfan (B) Malathion
(C) Diazinon (D) Allethrin
247. IPM relies heavily on :
(A) Economic threshold level (B) Total loss of crops
(C) Resistant pest (D) Susceptible pest
248. Egg larval parasitoid *Chelonus blackburni* is used to check the population of:
(A) *Agrotis ipsilon* (B) *Phthorimaea operculella*
(C) *Myzus persicae* (D) None of these
249. Destructive Insect Pest Act (DIPA) was passed in:
(A) 1920 (B) 1968
(C) 1937 (D) 1914
250. Directorate of Plant Protection Quarantine and Storage (DPPQS) was established in 1946 with head quarters at:
(A) Ghaziabad (B) Faridabad
(C) Faisabad (D) Faislabad
251. The higher LD 50 value indicates the following:
(A) Neutral (B) Less toxic
(C) Highly toxic (D) None of these

252. Extremely toxic class of pesticides have colour of lower triangle:
(A) Bright red (B) Bright blue
(C) Bright yellow (D) Bright green
253. Rashtriya Gokul Mission aims for the development of
(A) Exotic breed (B) Indigenous breed
(C) Mix breed (D) All of above
254. The year 2016 is celebrated as International year of
(A) Oilseeds (B) Pulses
(C) Cereals (D) Fodder
255. “Yellow Revolution” pertains to
(A) Pulses (B) Fodder
(C) Oilseeds (D) Fish
256. The fundamental objective of extension is the
(A) Development of the area (B) Development of resources
(C) Development of the people (D) None of above
257. Philosophy of extension means
(A) Laws of field of knowledge (B) Laws of a field of activity
(C) Body of general principles (D) All of above
258. Which is a fundamental unit in civilization?
(A) Home (B) Family
(C) Individual (D) Group
259. Which is the first training group of the human race?
(A) Organization (B) Individual
(C) Family (D) Home

260. The job of extension worker is
(A) to change the subject matter (B) to change the teaching aids
(C) to change the people (D) None of the above
261. Which among the following is an ecofriendly insecticide
(A) Malathion (B) Nimbicide
(C) Thiodan (D) Permethrin
262. Pheromone trap attracts
(A) Female Bugs (B) Female Moths
(C) Caterpillars (D) Male Moths
263. Arrange the following micro-organism based on their population in soil.
(A) Fungi > Bacteria > Actinomycetes
(B) Bacteria > Fungi > Actinomycetes
(C) Bacteria > Actinomycetes > Fungi
(D) Actinomycetes > Fungi > Bacteria
264. Potassium is utilized more efficiently if applied at_____.
(A) Before/At planting (B) Top dressed
(C) Side dressed (D) None of these
265. Black soils are locally called as_____
(A) Regur (B) Matarsi
(C) Bhata (D) Dorsa
266. Soils are soft when wet and very hard when dry, is the characteristics of_____
(A) Oxisols (B) Alfisols
(C) Vertisols (D) Entisols

267. Which one of the following schedule is recommended to optimize the productivity in intercropping system?
(A) Full recommended dose of both the main crop and half of intercrop
(B) Full recommended dose of both the main crop and intercrop
(C) Half recommended dose of main crop and intercrop
(D) Full recommended dose of main crop only
268. The method of irrigation employed where surface is undulating is
(A) Flood irrigation (B) Drip irrigation
(C) Sprinkler irrigation (D) Sub-surface irrigation
269. Which is generally used for correcting soil acidity?
(A) Gypsum (B) Lime
(C) Iron pyrites (D) Both (A) and (B)
270. For which type of fertilizer India is fully dependent on imports
(A) Nitrogen fertilizer (B) Phosphetic fertilizer
(C) Potash fertilizer (D) None of these
271. Which one of the following nutrient is constituent of cell wall in the plants
(A) Phosphorus (B) Calcium
(C) Sulphur (D) Potassium
272. Texture of the soil can be changed by
(A) Use of fertilizer (B) Use of manures
(C) Use of tillage practices (D) None of these
273. LEISA is related to
(A) Organic farming (B) Inorganic farming
(C) Natural farming (D) All of these

274. The ratio between gross and net cropped area is called an index of
(A) Cropping intensity (B) Multiple cropping
(C) High intensity cropping (D) None of these
275. Which of the following is not a bio-pesticide
(A) Bioneem (B) Biolep
(C) Dipel (D) Carbaryl
276. Use of light traps for the management of pest is an example of
(A) Culture Control (B) Physical Method of Control
(C) Biological Control (D) Legal Method of Control
277. In terms of geographical area India occupies which position in the world?
(A) Fifth (B) Six
(C) Seven (D) Three
278. Agriculture employs almost what per cent of the Indian population?
(A) 90 (B) 50
(C) 40 (D) 70
279. In Indian economy, the principal means of transportation is
(A) Airways (B) Railways
(C) Waterways (D) Roadways
280. In which of the following fields was the first co-operative movement in India initiated?
(A) Agricultural credit (B) Farming activities
(C) Consumer co-operation (D) Agricultural marketing
281. Which Indian state tops in the production of gypsum
(A) Gujarat (B) Rajasthan
(C) Kerala (D) Karnataka

282. ICAR-Directorate of Medicinal and Aromatic Plants Research (DMAPR) is located at _____
(A) Hisar, Haryana (B) Bharatpur, Rajasthan
(C) Anand, Gujarat (D) Pune, Maharashtra
283. Agro processing policy offers how many per cent air freight subsidy on agro exports in Gujarat State?
(A) 20 (B) 25
(C) 18 (D) 30
284. In Gujarat, which year was _____ celebrated as “KRUSHIVIKAS VARSH”?
(A) 2012-13 (B) 2011-12
(C) 2014-15 (D) 2013-14
285. Cartosat-2D, an earth observation satellite was launched on _____
(A) 15 August, 2016 (B) 15 February, 2016
(C) 15 November, 2016 (D) 15 February, 2017
286. The relative proportion of different size soil particles within the soil is termed as
(A) Soil texture (B) Soil organization
(C) Soil structure (D) None of the above
287. A vertical section cut downwards through the soil is called as
(A) Soil profile (B) Soil horizon
(C) Soil column (D) Soil sample
288. Soils containing high proportions of organic matter have following colour
(A) Light colour (B) Yellow colour
(C) Dark colour (D) Red colour

289. What is the C: N ratio of Indian Soil?
(A) 30:1 (B) 10:1
(C) 100:1 (D) 20:1
290. What is the percentage of organic carbon in organic matter?
(A) 48 (B) 78
(C) 58 (D) 68
291. Mustard crop planted at a spacing of 50×20 cm will have _____ plants/ ha.
(A) 75000 (B) 1,25,000
(C) 1,00,000 (D) 1,50,000
292. The most abundant mineral in earth's crust is
(A) Hematite (B) Feldspar
(C) Calcite (D) Quartz
293. The losses of ammonia usually become greater with _____.
(A) Increase in soil pH (B) Decrease in calcium
(C) Decrease in soil pH (D) Decrease in temperature
294. The highest percentage content of nitrogen among the commonly used nitrogenous fertilizers is embodied by _____.
(A) Urea (B) Ammonium nitrate
(C) Urea sulphate (D) Anhydrous ammonia
295. _____ type cropping pattern is followed if situation is like, rainfall > 900 mm, soil characterised by entisols, deep vertisols, alfisols & inceptisols and water availability periods > 30 weeks.
(A) Intercropping
(B) Assured Double Cropping
(C) Double Cropping with monitoring
(D) Single kharif cropping

296. _____ is not a valid email address
(A) agrstat@jau.in (B) stat@yahoo.com
(C) mstat@gmail.com (D) stat@hotmail.com
297. Prime Minister Sh. Narendra Modi launched Pradhan Mantri Fasal Bima Yojana on
(A) 18 February, 2016 (B) 18 January, 2016
(C) 18 June, 2016 (D) 18 February, 2015
298. “Blue Revolution” is associated with
(A) Rearing of cattle (B) Growing food crops
(C) Producing more milk (D) Fish farming
299. A significant property of the Cobb-douglas production function is that the elasticity of substitution between input is
(A) Equal to unity (B) More than unity
(C) Less than unity (D) Zero
300. I.R.D.P. denotes
(A) Industrial Rural Development Programme
(B) Integrated Rural Development Programme
(C) Industrial Research and Development Programme
(D) None of these