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Question Paper with Final (Revised) Answer Key for the Post of Officer Agriculature Developement Officer held on 28-10-2018			
	Itemcode : AO1001 Q1: The evapotranspiration (in mm) of a crop under irrigation is obtained by the following equation		
A	ETC=KCXET ₀		
В	Exc= KcxET ₀		
С	Etc= Kcx		
D	Etc=KcxET		
Cor	rrect Ans: A		
Iter Q2:	mcode : AO1002 : National Remote Sensing Centre is located at		
A	Hyderabad		
В	Delhi		
С	Jaipur		
D	Bengaluru		
Cor	rrect Ans: A		
Iter Q3:	mcode : A01003 : An agro ecological map of India finalized in 1990 was prepared at		
A	National Bureau of Soil Survey and Land Use Planning		
В	Indian Society Soil Survey and Land Use Planning		
С	National Bureau of Plant Genetic resources		
D	National Agricultural Research Project		
Cor	rrect Ans: A		
Iter	mcode : AO1004		
Q4:			
Α	Nagaland		
В	Tripura		
С	Assam		
D	Solan		
Cor	rrect Ans: A		
Iter Q5:			
A	16 July 1929		
В	14 July 1930		
С	30 June 1927		
D	16 July 1930		
Cor	rrect Ans: A		
Itemcode : A01006 Q6: National Dairy Research Institute is located in			
A	Delhi		
В	Pantnagar		
С	Karnal		
D	Aligarh		
Cor	rrect Ans: C		

Itemcode: AO1007 The eastward shift of the warmest water marks the onset in atmospheric circulation. The reverse phenomenon of the cooling of the Eastern Pacific is called as Le Ne В El Nino La Nina L. Nino Correct Ans: C <u>Itemcode</u>: AO1008 The book entitled "Hand Book of Agriculture" is published by A ICAR, New Delhi IARI, New Delhi С BHU, Varanasi **D** MPUAT, Udaipur Correct Ans: A Itemcode: AO1009 Which glacier does not belong to Himalayan range Milam В Pindari С Gangotri Biafo Correct Ans: **D** Itemcode: AO1010 Q10: Red Rust of tea is caused by Cephaleuros virescens Cephalosporium maydis Cephaleuros parasiticus Cephalosporium acremonium Correct Ans: A,C Itemcode : AO1011 Q11: Laterites are rusty -red colouration because High Iron Oxide Zinc Oxide Nitrogen Phosphorus Correct Ans: A Itemcode : AO1012 Q12: India has been divided into agro-eco regions(AERs): agro-eco-sub-regions(AESR) 25:60

Q12: India has been divided into agro-eco regions(AERs): agro-eco-sub-regions(AESR)

A 25:60

B 20:60

C 15:60

D 30:60

Correct Ans: B

Itemcode: AO1013

Q13: The Andaman and Nicobar Islands are in

A	Arabian Sea
В	Bay of Bengal
С	Indian Ocean
D	Orissa Coast
Correct Ans: B	

Itemcode: AO1014
Q14: Which of the State is not belonging to the group of the coastal salt affected soils of the arid and humid regions

A Gujarat

B West Bengal
C Andhra Pradesh
D Rajasthan

Correct Ans: D

Itemcode: AO1017
Q17: The word Taino means mahis which was considered as source of life, was transmutated to a name of a very important field crop

A Sorghum

B Wheat

C Rice

D Maize

Correct Ans: D

Itemcode: A01018
Q18: Which scientific name is not matching to its common name

A Plutella xylostella -White Grub

B Bemesia tabaci -Whitefly
C Helicoverpa armigera -Cotton boll worm

D Aphis craccivora -Aphid

Correct Ans: A

Itemcode : AO1019

Q19: Robert Koch of Germany described the theory called "Koch's postulates." The noble prize in Physiology or Medicine was awarded for his investigations and discoveries in relation to tuberculosis in the year

Α	1896
В	1892
С	1920
D	1905
Cor	rect Ans: D
	ncode: AO1020 B. B. Mundhkur started Indian Phytopathological Society with its journal Indian Phytopathology in the year
A	1948
В	1945
С	1950
D	1949
Cor	rect Ans: A
	ncode: A01021 1: Which year T. O. Diener discovered viroids, which only consist of nucleic acids.
Α -	1971
В	1972
C	1976
D	1985
Cor	rrect Ans: A
	ncode: AO1022 2: When a disease is prevalent throughout the country, continent or world in a severe form, it is known as.
A	Epiphytotic
В	Endemic
С	Sporadic
D	Pandemic
	rect Ans: D
001	Total Parameter Control of the Contr
	ncode : A01023 3: In 1801 <i>Methodica fungorum</i> was written by a well-known systematist
A	Fries
В	Link
С	Persoon
D	Bulliard
Cor	rect Ans: C
	ncode: A01024
	4: Which is not the asexual spore of fungi
Α	Sporangiospores
В	Conidia
С	Chlamydospores
D	Oospores
Cor	rrect Ans: D
Itemcode : A01025 Q25: The causal organism of Club root of cabbage is	
Α	Plasmodiophora brassicae
В	Pythium aphanidermatum
С	Sclerospora graminicola

Claviceps fusiformis Correct Ans: A Itemcode : AO1026 Q26: The causal organism of Ergot of Rye is Claviceps purpurea В Claviceps oryzae -sativae C Claviceps microcephala Claviceps sorghi Correct Ans: A Itemcode: AO1027 Q27: Which of the following is not the sub-mission of the Centrally Sponsored Scheme "National Mission on Agricultural Extension and Technology (NMAET)". Agricultural Mechanization В Plant Protection and Plant Quarantine Seed and Planting Material Women empowerment Correct Ans: D Itemcode : AO1028 Q28: Directorate of Extension, Department of Agriculture, Cooperation and Farmers welfare is also known as Krishi Gyaan Krishi Darpan С Krishi Chetana Krishi Vistar Correct Ans: D Itemcode : AO1029 Q29: Irish Potato famine due to Phytophthora infestans caused starvation of million and immigration of 1.5 million people in the year 1845 Α В 1822 С 1802 D 1823 Correct Ans: A Q30: Agriculture became civilized from crop culture stage. When was the Plough invented. 2900 BC В 2200 BC С 1500 BC 1200 BC Correct Ans: A Itemcode: A01031 Q31: Who developed the "law of minimum". Francis Home Thomas Jefferson Justus van Liebig D G.R.Glanber

Correct Ans: C Itemcode: A01032 Q32: Who proposed this theory which states that humans would run-out of food for everyone inspite of rapid advance in agriculture due to limited land and yield potential of crops (i.e food may not be sufficient in future for the growing population at this current rate of growth in agriculture) Blackman (1905) Mitscherlich (1909) Wilcox (1929) С Thomas Malthus (1898) Correct Ans: **D** Itemcode: AO1033 Q33: West African Rice Development Association is located in Ivory coast В Rome Washington D.C Manila Correct Ans: A Itemcode: AO1034 Q34: 'Arthashastra' a well known ancient classics of India, written by Kautilya Panini's c Patanjali's Varahamihira's Correct Ans: A Itemcode: A01035 Q35: Planning Commission of India (1989) made an attempt to delineate the country into different agro climatic regions based on homogeneity in rainfall, temperature, topography, cropping and farming systems and water resources. India is divided into how many agro-climatic regions. Α 12 В 15 18 c 16 Correct Ans: B Itemcode: A01036 Q36: Which of the following millet crops is not a minor millet Thenai- Setaria italica Samai -Panicum miliare Ragi-Eleusine coracona Kudiraivali - Echinchloacolona var frumentaceae Correct Ans: C Itemcode: AO1037 Q37: The climate classification using precipitation and evaporation /Potential evaporation and was modified by Mathur (1955) for the Moisture Index (Im). If the moisture index is 20 to 100 than it is classified as Per humid Humid Moist sub humid

D	Dry sub humid		
Cor	rect Ans: B		
	ncode: AO1038 3: When a beam of white light is passed through a prism, it is dispersed into wavelengths of different colors which called the visible part of the solar spectrum. The wavelength of yellow is as follows as follows:		
A	400 – 435 m μ		
В	435 – 490 m μ		
С	490 – 574 m μ		
D	574 – 595 m μ		
Cor	rect Ans: D		
	Itemcode: A01039 Q39: . "An aggregation of minute drops of water suspended in the air at higher altitudes" is called as cloudscheme of distinguishing and grouping clouds according to their appearance, and, where possible, to their process of formation. Which of the following is species of cloud		
A	Cirrocumulus		
В	Cirrostratus		
С	Altocumulus		
D	Capillatus		
Cor	rect Ans: D		
	Itemcode : AO1040 Q40: Which year Dr. J.G. Koenig - Medical Officer initiated the work on Indian insects on scientific lines. He also published a special account of the termites of Thanjavur District		
A	1779		
В	1782		
С	1785		
D	1790		
Cor	rect Ans: A		
Q4:	Itemcode : A01041 Q41: Scorpion, spider, tick, mite belongs to which class		
A B	Arachnida Onychophora		
С	Crustacea		
D	Chilopoda		
	rect Ans: A		
COI	Teet Alls. A		
	ncode: A01042 2: Which year a parasitoid <i>Aphelinus mali</i> was introduced from England into India to control Woolly aphid on Apple, <i>Eriosoma lanigerum</i> .		
A	1920		
В	1921		
С	1925		
D	1926		
Cor	rect Ans: A		
T.	water access		
	n <u>code</u> : A01043 3: <i>Metarhizium anisopliae</i> is commonly known as		
A	Green muscardine fungus		
В	White muscardine fungus		

С	White halo fungus	
D	Black spot fungus	
Cor	rrect Ans: A	
	ncode: AO1044 4: Which of the following is not the female sex pheromone	
A	Bombykol	
В	Gyplure	
С	Gossyplure	
D	Amithopterin	
Cor	rect Ans: D	
	ncode: A01045 5: Which of the following is not the synthetic repellant for insects	
A	Dimethyl pthalate	
В	Benzyl benzoate	
С	Trichlorobenzene	
D	Camphor	
Cor	rrect Ans: D	
The	mcode : AO1046	
	5: Who was the author of the book 'Silent Spring' which created awareness about ill effects of pesticides.	
A	Rachel Carson	
В	H.F. van Emden	
С	David Peakall	
D	John Keats	
Cor	rrect Ans: A	
T1		
	n <u>code</u> : A01047 7: Which of the following is not synthetic pyrethroid	
A	Carbaryl	
В	Allethrin	
С	Cypermethrin	
D	Fenvalerate	
Cor	rect Ans: A	
Thor	<u>ncode</u> : AO1048	
	3: The size of the seed certification tag is	
A	15 x 7.5 cm	
В	10 x 11 cm	
С	15 x 10 cm	
D	15 x 15 cm	
Cor	rrect Ans: A	
Thor		
	ncode: AO1049 9: Which among the following belongs to stingless Bees	
A	Apisflorea	
В	Melipona irridipennis	
С	Apisflorea	
D	Apisdorsata	

Correct Ans: B Itemcode: AO1050 Q50: In rice the identification of dwarf Dee Gee Woo Gen from a tall rice variety by a Taiwan farmer revolutionized rice breeding. Using this DGWG at IRRI during 1965 which variety was released Sookha Dhan4 OM 1490 IR 8 BRRI Dhan 5 Correct Ans: C Itemcode: AO1051 Q51: In nature, multiplication of certain plants occurs by underground stems, sub aerial stems, roots and bulbils. In some crop species, underground stems (a modified group of stems) give rise to new plants. Which of the following crop produces bulb Curcuma domestica, Zingiber officinale В Solanum tuberosum Allium sativum Correct Ans: D Itemcode: AO1052 **Q52:** The origin of embryo from either synergids or antipodal cells of the embryosac is known as Parthenogenesis Apogamy C Apospory Adventive embryony Correct Ans: B Itemcode: AO1053 Q53: When staminate and pistillate flowers are present on different plants, it is called dioecy. Which one of the following does not belong to dioecious group. Papaya Date palm Spinach Banana Correct Ans: **D** Itemcode: AO1054 **Q54:** Which of the chromosome number is not correct? Ragi-Eleusine coracana (2n = 36) Pearlmillet-Pennisetum glaucum (2n = 20) Fox Tail Millet -Setaria italica (2n=18) Kodo millet -Paspalums crobiculatum (2n=40) Correct Ans: B Itemcode: AO1055 Q55: Wheat is the most important cereal in the world, giving about one-third of the total production. Which of the following is not Hexaploid? Triticum aestivum Triticum compactum

C

Tiriticum sphaerococcum

Triticum durum

Correct Ans: D Itemcode: A01056 Q56: Which is not the Essential amino acids in animal/human nutrition Serine В Leucine С Arginine Trypsin Correct Ans: A,D Itemcode : AO1057 Q57: Who wrote this book "An Inquiry into Nature and Causes of Wealth of Nations" and defined economics as the science of wealth. Adam Smith Alfred Marshall C Lionel Robbins Paul Samuelson Correct Ans: A Itemcode: AO1058 Q58: Money was defined "as anything that is acceptable in discharge of obligations" by Robertson В Crowther Irving Fisher H.G. Johnson Correct Ans: A Itemcode: AO1059 Q59: The difference between the value of commodities exported and value of commodities imported is known as Demand for money Inflation С Balance of payment The balance of trade Correct Ans: D Itemcode: AO1060 Q60: Inflation is defined as an increase in the average level of prices. The classification of inflation is based on the speed with which the price increases in the economy. Which of the following term is not related to inflation. Creeping Walking Running Deflation D Correct Ans: D Itemcode: A01061 Q61: The characteristics or qualities, which a good taxation should possess, are described as canons of taxation. Which of the following term is not related to the canons of taxation Canon of equality Canon of certainty С Canon of convenience D Canon of EOS

Correct Ans: D

Itemcode : AO1062 Q62: Which is cross pollinated crop		
A	Saccharum officinarum	
В	Hordeum vulgare	
С	Avena sativa.	
D	Triticum aestivum	
Correct Ans: A		
Itemcode: A01063		

Itemcode: A01064
Q64: Isolation distance for certified seed production of Okra

A 250 m

B 400 m

C 100 m

D 1200 m

Correct Ans: A

Itemcode: A01066
Q66: The largest district of Himachal Pradesh area wise is

A Hamirpur

B Lahaul Spiti

C Kullu
D Mandi

Correct Ans: B

Itemcode: AO1068

Q68: Which of the following is the public-sector undertaking?

	T
Α	Tata Consultancy Services
В	Infosys Technologies Ltd.
С	Wipro Limited.
D	National Thermal Power Corporation
Cor	rrect Ans: D
Iter	<u>mcode</u> : AO1069
	9: National Seed Corporation of India belongs to which category
A	Maharatna
В	Navratna
С	Miniratna Category I
D	Miniratna Category II
Cor	rrect Ans: C
	<u>ncode</u> : AO1070 0: The Headquarter of The United Nations Environment Programme is in
A	Nairobi, Kenya
В	Berlin, Germany
С	London, England
D	Boston, USA
	rrect Ans: A
	mcode : A01071
	1: Which of the following software is used to check Plagiarism detection services
Α	TURNITIN
В	PAMAP
С	GRASS
D	IDRISI
Cor	rrect Ans: A
Iter	<u>mcode</u> : AO1072
	2: Dormancy of apple seeds is broken by
A	Scarification
В	Cold stratification
С	Growth regulator
D	Biostimulants
Cor	rrect Ans: B
	<u>ncode</u> : AO1073 3: Azar blue color tag is enclosed with the seed bag of
Α	Certified seed
В	Foundation seed
С	Breeder seed
D	Nucleus seed
	rrect Ans: A
	mcode : A01074
Q7	4: In seed certification the number of counts to be taken from 6 to 10 acres
A	6
В	7

С	8
D	9
Correct Ans: A	

Itemcode: AO1075
Q75: Colour of the foundation class of seed label is

A Blue
B Green
C Yellow
D White
Correct Ans: D

Correct Ans: C Itemcode: AO1081 Q81: Who was the first European to visit Kullu around 1820 A.D.? E.J. Buck В G.C. Barnes С William Moorcraft W.G. Archer Correct Ans: C Itemcode : AO1082 **Q82:** Which stream divides Kayar-Da-Dun valley of Sirmour into two parts? Ghaggar Tons С Giri D Bata Correct Ans: D Itemcode: AO1083 Q83: Which building in Shimla was the residence of A.O. Hume? Redroof Gorton Castle **c** Combermere Rothney Castle Correct Ans: **D** Itemcode : AO1084 Q84: Which leader of Mandi princely State started a movement against corruption by the rules around 1909 A.D.? **B** Mathra Dss Shobha Ram Mian Jawahar Singh Correct Ans: C Itemcode: AO1085 **Q85:** When was Kinnaur created as a separate district of H.P. ? **A** April 1958 March 1959 May 1960 January 1961 Correct Ans: C Itemcode: A01086 Q86: In which month is Lavi fair of Rampur Bushahr celebrated? A August - September В September - October October - Novermber Novermber - December Correct Ans: S (S Denotes question scrapped and weight-age to all)

Itemcode: AO1087

Q87: According to 2011 Census what was the sex - ratio in H.P. ?		
A	952	
В	962	
С	972	
D	982	
Correct Ans: C		

Itemcode : A01088

Q88: Near which town of H.P. is Majathal sanctuary ?

A
Chamba

B
Bhota

C
Una

D
Shimla

Correct Ans: D

Itemcode: A01089

Q89: In which district of H.P. is Beti Bachao Beti Padhao scheme being implemented?

A Bilaspur

B Una

C Hamirpur

D Solan

Correct Ans: B

Itemcode: AO1091
Q91: What name was given to India's first nuclear test (Pokhran - I) conducted in 1974?

A Warrior Banda Bahadur

B Brare Maharana Pratap

C Laughing Tipu Sultan

D Smiling Buddha

Correct Ans: D

Itemcode: A01092
Q92: Given below is approximate vote - share of the BJP and the Congress during the 2018 Karnataka Assembly Elections. Which one is valid?

A BJP 38 percent, Congress 36.2 percent.

B BJP 39 percent, Congress 37 percent.

C BJP 40 percent, Congress 38 percent.

D BJP 36.2 percent, Congress 38 percent.

Correct Ans: D

Itemcode: AO1093

Q93: With which Asian country is India conducting bilateral naval exercises during May, 2018?

A China

В	South Korea	
С	North Krea	
D	Vietnam	
Cor	rect Ans: D	
	n <u>code</u> : A01094 4: With which game is Durand Cup associated ?	
A	Football	
В	Hockey	
С	Tennis	
D	Cricket	
	rect Ans: A	
COI	Tect Alls. A	
_	ncode : AO1095 5: Who is the leader of Congress Party in the Rajya Sabha ?	
A	Anand Sharma	
В	Ghulam Nabi Azad	
С	Mallikarjun Kharge	
D	P. Chidambaran	
Cor	rect Ans: B	
Itor	<u>ncode</u> : AO1096	
	5: Which was the spacecraft which went to planet Mars ?	
Α	Skylab	
В	Shenzoo	
С	Pathfinder	
D	Columbia	
Cor	rect Ans: C	
	ncode : A01097 7: Which strait lies between Andaman Sea and South China sea ?	
A	Malacca	
В	Palk	
С	Sugaroo	
D	Sunda	
	rect Ans: A	
Itemcode : AO1098		
	3: Which two cities are on the bank of river Danube?	
Α	Belgrade and Berlin	
В	Berlin and Budapest	
С	Budapest and Belgrade	
D	Belgrade and Rome	
Correct Ans: C		
Itemcode: AO1099 Q99: Which of the following is the residence of Queen of United Kingdom?		
A	Windsor Castle	
В	10, Downing Street	
С	Buckingham Palace	

D	Elysee Palace	
Correct Ans: C		
<u>Itemcode</u> : A01100 Q100: In which country is Angkor Vat (Angkor Wat) where there are large number of Hindu temples?		
A	Malaysia	
В	Laos	
С	Thailand	
D	Cambodia	

Correct Ans: **D**