SUBJECT CODE

03

PHYSICAL SCIENCE

- The "International year of soil" was celebrated in the year: 1. (A) 2005 (B) 2015 (C) 2012 (D) 2010 2. Which is the day neutral plant? (A) Soybean (B) Sorghum (C) Rice (D) Groundnut The natural aggregates in soil are: (A) Clod (B) Ped (C) Fragment (D) Mottle Lime stone is the chief source for manufacturing of: (A) Cement (B) Steel (C) Phosphatic fertilizer (D) Basic slag If the pH of a solution is 7, what is the pOH: (B) 10 (C) 7 (D) 5 The science of study of earth's crust is known as: (A) Mineralogy (B) Petrology (C) Crystallography (D) Geology 7. The unit of expression of CEC is: (A) meg 100gm⁻¹ (B) c mol (P+) kg-1 (C) Both A &B (D) dSm-1
- 8. The acid sulphate soils are also called as:
 - (A) Cat clays(C) Black clays
- (B) Red clays (D) Brown clays
- 9. The upper size limit of clay particle is:
 - (A) 0.02 mm

(B) 2.0 mm

(C) 0.002 mm

(D) 0.2 mm

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10.	According to Ministry of Agriculture report consumption of NPK fertilizers was highest	(2013-14), the average per hectare in the state of: Andhra Pradesh
	(A) Tunjab	Haryana
	(C) Puducherry (D)	Transparia
11.	The study of soils in relation to plant growth	is called as:
11.	(A) Pedology (B)	Edaphology
	(C) Geology (D)	Physiology
12.	Enzymes are more active at:	Link temperature
	(A) Low temperature (B)	
	(C) Optimum temperature (D)	High humidity
12	Dr. Norman E. Borlaug was awarded Noble	prize in the field of:
13.	(A) Agriculture (B)	Peace
		Genetics
14.	The number of textural classes as per the t	extural triangle is:
) 8
	(C) 12 (D) 16
4.5	Rust mottles are common in:	
15.	(A) Well drained soil (B) Poorly drained soil
	(C) Moderately drained soil (D	
	(C) Moderately drained easi	8
16.	The available water indicates water held be	etween:
		1) 15 to31 bar
	(C) 0 to 31 bar (D	0) 0 to-100 bar
	Thermal conductivity of the soil is in which	of the following orders:
17.	(A) Sand>loam>clay (E	3) Sand <loam<clay< td=""></loam<clay<>
)) Sand <loam>clay</loam>
	(o) Sand San Say	2
18.	The clay mineral having highest cation exc	change capacity is:
	(A) Kaolinite (E	3) Vermiculite
	(C) Illite (E	O) Chlorite
	was the service five atmospheric nitroge	en symbiotically?
19.	Which organism fixes atmospheric nitroge	B) Nitrobacteria
		D) Nitrosococcus
	(C) Milosomenas	
20.	The difference between upper plastic limit	and lower plastic limit is called as:
Warran (Sec.) (I	(A) Plasticity index (1	B) Plasticity number
	(C) Plasticity coefficient	D) COLE
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21.	The maximum percent of biurate in ur Order" is: (A) 0.5		s specified in "The Fertilizer Control 2.0
	(C) 2.5		3.5
	(6) 2.5	(0)	3.3
22.	The primary constituent of chlorophyll is	S:	
	(A) Nitrogen		Phosphorus
	(C) Calcium	(D)	Magnesium
23.	The land capability classes suited to cu		
	(A) V to VIII	4	I to III
	(C) I to IV	(D)	VI to VIII
24.	The source of permanent negative char	rae o	n silicate clavs is:
	(A) Isomorphous substitution		Hydrolysis of water
	(C) Ionization of OH groups		Alteration
25.	Soil water potential is generally:		_
	(A) Zero	3	Positive
	(C) Neutral	(D)	Negative
26.	The Iron deficiency is found mostly in w	hich	of these soil
	(A) Calcareous		Acid
	(C) Saline		Normal
	,		
27.	The micronutrient available under high		
	(A) Iron		Zinc
	(C) Boron	(D)	Molybdenum
28.	Soil water potential is measured by:		
20.	(A) Tensiometer	(B)	Penetrometer
	(C) Pycnometer	100	Hydrometer
*			
29.	'White bud' of maize is caused due to t	he de	
	(A) Zinc	(B)	
	(C) Nitrogen	(D)	Phosphorus
30.	Among the following GHG's, which has	the	highest global warming
00.	Potential:	110	mgreet global warning
	(A) CO ₂	(B)	CH ₄
	(C) N ₂ O		CFĈ's
	B # # # # # # # # # # # # # # # # # # #		
31.	Radiation most useful for photosynthes		
	(A) 300-900 nm		300-400 nm
	(C) 400-700 nm	(D)	400-600 nm
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32.	Rate of decrease of temperature with height is called as: A) Edaphic rate (B) Dynamic rate C) Lapse rate (D) Static rate
33.	Vorld Soil Day is celebrated every year on: A) 16 th September C) 16 th November (B) 16 th October (D) 5 th December
34.	The titrant used in the determination of calcium and magnesium is: A) DTPA (B) EDTA C) NH ₄ OAc (D) FeSO ₄
35.	Laterization is the process of accumulation of: (A) Sesquioxides (B) Silica (C) CaCO ₃ (D) Salts
36.	When soil is saturated, its moisture content is: (A) Equal to field capacity (B) Greater than field capacity (C) Less than field capacity (D) Equal to PWP
37.	The following soils have high osmotic potential: (A) Alkaline soils (B) Acid soils (C) Calcareous soils (D) Saline soils
38.	Base unsaturated soils are: (A) Acid soils (B) Calcareous soils (C) Desert soils (D) Submerged soils
39.	Strength of H ₂ SO ₄ used in the laboratory is: (A) 36 N (B) 16 N (C) 12 N (D) 14 N
40.	The dispersing agent used in soil particle size analysis is: (A) Sodium hexa metaphosphate (B) Calcium chloride (C) Hydrgen peroxide (D) Sulphuric acid
41.	The calcium carbonate equivalent of CaCO ₃ is: (A) 179 (B) 108 (C) 136 (D) 100
42.	DTPA stands for: (A) Diethylene Triamine Penta Aacetic acid (B) Dichlor Triamine Penta Acetic acid (C) Dichloro Triethylene Penta Acetic acid (D) Diethylene Trichloro Penta Acetic acid
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43.	The concept of STCR (Targeted yield) approach in India was proposed by: (A) J.S. Kanwar (B) N.N. Goswami (C) N.P. Datta (D) B. Ramamoorthy
44.	The mineral source of boron in soil is: (A) Apatite (B) Tourmaline (C) Pyrite (D) Bentonite
45.	The N serve is a: (A) Nitrification inhibitor (C) Nitrogen fixer (B) Nitrification enhancer (D) Urease inhibitor
46.	The concept of DRIS was developed by: (A) Cate and Nelson (B) Beaufils (C) Lindsay and Norwel (D) Page and Miller
47.	The most abundant non-metal elements in the earth's crust are: (A) Silica and aluminum (B) Silica and oxygen (C) Silica and calcium (D) Silica and magnesium
48.	Which group of soil microorganisms has highest biomass in soil: (A) Fungi (B) Bacteria (C) Algae (D) Actinomycetes
49.	Gram equivalent of a solute dissolved in 1000 ml of solvent is: (A) Molar solution (B) Molal solution (C) Normal solution (D) Standard solution
50.	The Critical level approach was proposed by: (A) Cate and Nelson (B) J.B Bousingault (C) Theoder de Saucer (D) Arnon and Stout
51.	The availability of nutrient from soil reserves depends on: (A) Quantity factor (B) Intensity factor (C) Both A and B (D) Buffering
52.	In Munsel color chart, the dominant spectral color is represented by: (A) Hue (B) Value (C) Chroma (D) Grade
53.	The softest mineral in the earth crust is: (A) Gold (B) Quartz (C) Diamond (D) Talc

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	(A)	regate stability of soils is determined Yoder's apparatus	(B)	Pressure plate apparatus
	(C)	Atterberg's apparatus	(D)	Penetrometer
55.	Part	ticle density of soils can be determin	ed by	y:
	(A)	Hydrometer	(B)	Pycnometer
	(C)	Penetrometer	(D)	Infiltrometer
56.	Lign	nin is a polymer of:		
	(A)	Sugar alcohol	(B)	Aromatic alcohol
	(C)	Polyphenols	(D)	Galactosamines
57.	The	correlation coefficient values range	s fror	m:
		-1 to +1		0 to 1
	(C)	1 to 10	(D)	1 to 5
58.	The	year 2016 has been recognized as	the I	nternational Year of:
		Millets		Pulses
	(C)	Oil seeds	(D)	Sugarcane
59.	Мус	corrhizae help in uptake of which nut	rient'	?
	(A)	Phosphorus	(B)	Potassium
	(C)	Nitrate	(D)	Molybdenum
60.	The	solar system belong to the galaxy of	alled	l:
	(A)	Andromeda nebula		Milky way
	(C)	Radiogalaxy	(D)	Magellanic cloud
61.		process by which energy is general		
		Nuclear fission		Nuclear fusion
	(C)	Burning of gas	(D)	Yet unknown
62.		atmospheric layer most affected by		
		Troposphere		Stratosphere
	(C)	Mesosphere	(D)	lonosphere
63.			e bic	esphere, which organism would first
		erience negative effect:		
		Primary consumers		Producers
	(C)	Secondary consumers	(D)	Tertiary consumers
64.		ich one of the following insecticides		
		Malathion	20.00	Aldrin
	(C)	Gamma BHC	(D)	Parathion
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Most used coagulant is: (B) Alum (A) Chlorine (D) Bleaching powder (C) Lime Isobars means: (B) Line of constant temperature (A) Line of constant pressure (D) Line of constant wind speed (C) Line of constant humidity Thermo couple psychrometer is used to measure: (B) Osmotic potential (A) Soil water potential (D) Infiltration (C) Hydraulic conductivity Auxin is: (B) A vitamin (A) An enzyme (D) A protein (C) A hormone Mull soils develop where the climate is: 69. (B) Hot and humid (A) Cool (D) Moderate (C) Hot High specific heat and high latent heat are the characteristics of: 70. (B) Mercury (A) Water (D) Ethanol (C) Soil Subsidence inversion can be related to: 71. (B) Anticyclone (A) Cyclone (D) Tornado (C) Radiation An ordinary rain will generally be: 72. (B) Highly acidic (A) Slightly acidic (D) Highly alkaline (C) Slightly alkaline Which one of the following pairs of crop and diseases is correctly matched? (A) Cabbage – early blight (B) Cucumber – club root (D) Tomato - white rust (C) Potato – black wart Khaira disease of rice can be controlled by spraying: 74. (B) Manganese sulphate (A) Copper sulphate (D) Zinc sulphate (C) Borax Most resistant mineral is: (B) Feldspar (A) Quartz (D) Calcite (C) Ferromagnesium

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76.	Absorbance in a spectrophotometer is equal to: (A) Po/P (B) 1/T (C) Log Po/P (D) Log P/Po
77.	The Himalayan foot hills in Hardwar consists of: (A) Shiwalik system of rocks (B) Aravalli system of rocks (C) Vindhyan system of rocks (D) The deccan trap rocks
78.	In C ₃ plants, CO ₂ is initially converted to: (A) Oxalic acid (B) Pyruvate (C) Indol acetic acid (D) Phosphoglyceraldehyde
79.	The term often used to describe sun-induced leaf movements is: (A) Heliotropism (B) Paraheliotropic (C) Dianeliotropic (D) Solar-tracking
80.	The ratio of total mass of soil solids to total volume of soil solids is called : (A) Particle density (B) Bulk density (C) Porosity (D) Air filled porosity
81.	The most advanced stage of weathering is represented by: (A) Entisols (B) Oxisols (C) Gelisols (D) Histosols
82.	The inherent capacity of a soil to supply essential nutrients to plants in adequate amount and in right proportion for their optimum growth is called: (A) Soil fertility (B) Optimum fertilizer rates (C) Efficient use of fertilizer (D) Integrated nutrient management
83.	The manifestations of the physical forces of cohesion and adhesion acting within the soil at various moisture contents are designated as: (A) Soil consistency (B) Soil plasticity (C) Soil compression (D) Soil compaction
84.	Azotobacter is a: (A) Symbiotic bacteria (B) Associative bacteria (C) Free living bacteria (D) Free living and associative bacteria
85.	Drooping of leaves due to loss of turgor at noon but recovery in the evening is referred: (A) Temporary wilting (B) Incipient wilting (C) Permanent wilting (D) Midday desiccation

The cause of atmospheric pressure is: (A) Gravitational force of earth (B) Altitude from the sea level (D) Location specific (C) Rotation of earth 87. Lichens are the indicator of: (B) Nox pollution (D) CH₄ pollution (A) SO₂ pollution (C) CO pollution 88. Which one of the following is the renewable source of energy: (B) Petroleum (C) Natural gas (D) Solar Noise pollution is measured in: 89. (B) Fathoms (A) Hertz (D) Decibels (C) Nanometers Which one is not an example of C₄ plant? (A) Sugarcane (B) Wheat (D) Portulaca (C) Sorghum Krishi Vigyan Kendras are functioning through the financial assistance of: (A) State Govt. (B) UNICEF (D) IARI (C) ICAR 92. Jhuming is the other name for: (A) Mixed cropping (B) Shifting agriculture (D) Agroforestry (C) Taungya Hormone responsible for breaking dormancy of winter buds is: (A) Ethylene (B) Gibberllin (D) Cytokinin (C) Auxin Carbon becomes available to crop plant in the form of: 94. (A) Amino acids (B) Carbonates (D) Elemental carbon (C) Carbon dioxide 95. The marble is an example of: (B) Igneous rock (A) Metamorphic rock (D) Soil minerals (C) Sedimentary rock 96. All air borne suspensions smaller than 1 µm are called: (B) Aerosol (A) Fog (C) Mist (D) Smoke



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97.	Which gas is maximum in biogas? (A) CH ₄ (C) H ₂	(B)	CO_2 N_2
98.	The process of nutrient enrichmen in the water quality is called:	t of water	bodies leading to detrimental change
	(A) Eutrophication (C) Putrification		Oligotrophication Contamination
99.	When water potential of Cell A is from:	-10 bars	and Cell B is -18 bars, water moves
	(A) B to A (C) Does not move		A to B Move in both direction
100.	In which plants Stomata open during (A) C3 plants (C) CAM plants	(B)	nd close during day? C4 plants Temperate plants
101.	Which of the following vitamin is in (A) Vitamin A (C) Vitamin C	(B)	the biosynthesis of collagen? Vitamin B1 Vitamin B12
102.	Atomic Absorption Spectrophotome (A) Hydrocarbon analyses (C) Pesticides analyses	(B)	ed for which analyses? Phosphate analyses Heavy metal analyses
103.	The process of conversion of solid (A) Sublimation (C). Vaporization	(B)	without becoming liquid is known as: Solubilization Ionization
104.	Aqua regia is prepared by mixing: (A) Concentrated HCl and HNO ₃ (C) Concentrated HCl and H ₂ SO ₄		Concentrated HNO ₃ and H ₂ SO ₄ Concentrated HClO ₄ and H ₂ SO ₄
105.	What is the half-life of ³² P? (A) 32 days (C) 86.7 days	(B) (D)	14.3 days 245 daysn
106.	Which one is not a radio isotope? (A) ³⁵ S (C) ¹³⁷ Cs	(B) (D)	¹⁴ C ¹⁵ N
107.	Gilgai micro relief is found in which (A) Vertisol (C) Andisol	order? (B) (D)	Entisol Histosol
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Volcanic materials are usually found in which soil order? (B) Aridisols (A) Alfisols (C) Andisols (D) Gellisols 109. Norin-10 is a: (B) Dwarf gene of rice (A) Dwarf gene of wheat (D) Disease resistant gene of Brinjal (C) Dwarf gene of maize Which of the following species of wheat is called as bread wheat? (B) T. aestivum (A) T. dicoccum (D) T. sativum (C) T. durum Plasticity of soil can be determined by: (B) Atterberg's apparatus (A) Hydrometer (C) Pressure Plate Apparatus (D) Tensiometer The major cementing agent in soil aggregate formation is: (B) Proteins (A) Lipids (D) Mineral nutrients (C) Polysaccharides Which of the following is commonly referred to as muriate of potash? (B) Potassium chloride (A) Potassium nitrate (D) Potassium silicate (C) Potassium sulphate Calcium sulphate (CaSO₄.2H₂O) is added to reclaim: 114. (B) Alkali soil (A) Saline soil (D) Calcareous soil (C) Acid soil In acid soil, which one may be occurring? (A) Aluminum toxicity (B) Magnesium toxicity (D) Chloride toxicity (C) Nitrate toxicity Alkali soils are generally found in: (B) Arid and semi-arid climate (A) Sub-humid climate (D) Humid climate (C) Temperate climate Anaerobic environment of paddy soil is responsible for which of the following process that result in the gaseous loss of fertilizer nitrogen: (B) Nitrification (A) Ammonification (C) Denitrification (D) Volatilization Apatite is a group of minerals which mainly contains: (B) Phosphate (A) Sulphur (C) Nitrogen (D) Manganese

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119.	Arrangement of soil particles is referred to as: (A) Soil structure (B) Soil texture (C) Soil aggregate stability (D) Bulk density
120.	Buffering capacity of soil means resistance to a change in: (A) Soil microbial activity (B) Soil aeration (C) Soil pH (D) Water saturation
121.	Diphenylamine is an indicator, which is used for determination of: (A) Phosphorus (B) Organic carbon (C) Micronutrients (D) Calcium
122.	Eluviations refers to: (A) Removal of clay from above horizons to lower horizons (B) Removal of clay and sesquioxide from above horizons to lower horizons (C) Removal of soluble salts from above horizons to lower horizons (D) Accumulation of clay and sesquioxides on the surface layer
123.	Which one of the following fractions of organic matter is comparatively resistant to microbial degradation? (A) Cellulose (B) Protein (C) Lignin (D) Hemicellulose
124.	In acid soils phosphorus is fixed as: (A) Fe and Al-phosphate (B) Ca – phosphate (C) Hydroxy apatite (D) Organic-phosphate
125.	Soils of desert lands are known as: (A) Alfisols (C) Spodosols (B) Mollisols (D) Aridisols
126.	Neutral normal ammonium acetate is used for extraction of: (A) Potassium (B) Nitrate (C) Chloride (D) Sulphur
127.	Which of the following is the amorphous clay mineral? (A) Kaolinite (B) Muscovite (C) Vermiculite (D) Allophane
128.	The phosphatic fertilizer most suitable for calcareous soil is: (A) Single superphosphate (B) Dicalcium phosphate (C) Diammonium phosphate (D) Rock phosphate

129.	Cotton belongs to the family of: (A) Cruciferae (C) Malvaceae		Anacardiaceae Solanaceae	
130.				
	plants? (A) Proline (C) Glycine		Tyrosine All of the above	
131.	'Hidden hunger' means: (A) Deficiency symptoms are seen who severe yield reduction may occur (C) The nutrient is not deficient but as (D) Visual deficiency symptoms are seen who seem that the seem that the seen who seem that the seen who seem that the seem that th	withou oparer	t appearance of deficiency symptoms ntly seems to be deficient	
132.	Absorption of ions in plants occurring as:	with t	he aid of metabolic energy is termed	
g.	(A) Passive absorption (C) Deffusive absorption		Active absorption Mass flow absorption	
133.	'Aeolian' deposits are formed by the tra (A) Running water (C) Sea	(B)	rtation of materials through: Wind Ice	
134.	Molasses is a byproduct of which industry (C) Tanning industry	(B)	Sugar industry Paper industry	
135.	Ringelmann Chart is used for measuri (A) Relative humidity (C) Smoke density	(B)	Odour intensity Movement of pollutants	
136.	The bioindicator organism for the feca (A) Bacillus sp. (C) Algae	(B)	amination of water is: Clostridium sp. E.coli	
137.	Site of oxidative electron transport in c (A) Mitochondria (C) Nucleus	(B)	Ribosome Chloroplast	
138.	Which one is essential for synthesis of (A) Zinc (C) Potassium		Sulphur	

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139.	Golden rice is rich in: (A) Vitamin A (C) Vitamin C		Vitamin B Vitamin D
140.	A chemical bond formed between two a (A) lonic bond (C) Covalent bond	(B)	by sharing an electron is: Hydrogen bond Vander wall bond
141.	Arrow is the inflorescence of which crop (A) Sugarcane (C) Wheat	(B)	Maize Rice
142.	Which type of clouds can cause rainfall (A) Stratus (C) Nimbus	(B)	ghest intensity? Cirrus Cumulonimbus
143.	Lady bird beetle is a biological control of (A) Aphids and spider mite (C) Red ants	(B)	at? Insects Caterpillars and beetles
144.	Which is a metalloid that is very toxic to (A) Arsenic (C) Mercury	(B)	anisms? Chromium Cadmium
145.	What is responsible for bread making q (A) Gluten (C) Amylopectin	(B)	of wheat? Amylose Lysine
146.	Major greenhouse gases based on their (A) $N_2O > CH_4 > O_3 > CO_2$ (C) $O3 > N_2O > CH_4 > CO_2$	(B)	tribution to global warming are: $CH_4 > CO_2 > O_3 > N_2O$ $CO_2 > CH_4 > O_3 > N_2O$
147.	Phosphatic fertilizers are known to conta (A) Copper and Chromium (C) Arsenic and Mercury	(B)	ontaminants like: Iron and Aluminum Cadmium and Fluoride
148.	Which one of the following biofertilizer h (A) Azotobacter sp. (C) Nostoc sp.	(B)	
149.	"Mridaparikshak", a MINILAB for soil tes (A) ICAR-IISS, Bhopal (C) ICAR-CAZRI, Jodhpur	(B)	is developed by: ICAR-IARI, New Delhi ICAR-CRIDA, Hyderabad

- 150. "Biochar" is used for:
 - (A) Slow release fertilizer.
 - (C) Bio-fertilizer for N2-fixation
- (B) Carbon sequestration
- (D) Ameliorant for Alkali Soil

Cross matching type question (151 to 160). Each sub-question carries ONE mark. Choose the correct answer (A, B, C, D and E) for each sub-question (i, ii, iii, iv and v) and enter your choice in the circle (by shading with Black/Blue ball point pen) on the OMR- Answer Sheet. For each wrong answer 0.20 markes will be deducted

- 151. Match the instruments used in specific analysis/determination:
 - (i) pH meter
 - (ii) EC bridge
 - (iii) Flame photometer
 - (iv) Spectrophotometer
 - (v) AAS

- (A) Micronutrients
- (B) Phosphorus
- (C) Specific conductance
- (D) Active acidity
- (E) Na and K
- 152. Match the following Institutes with their Head quarters:
 - (i) ICAR-IISS
 - (ii) ICAR-IASRI
 - (iii) ICAR-IIHR
 - (iv) ICAR-CRIDA
 - (v) ICAR-CAZRI

- (A) Hyderabad
- (B) Bangalore
- (C) New Delhi
- (D) Jodhpur
- (E) Bhopal
- 153. Match the N-fertilizers with their nutrient content:
 - (i) Urea

- (A) 33%
- (ii) Ammonium sulphate
- (B) 82%
- (iii) Ammonium nitrate
- (C) 21%
- (iv) Diammonium phosphate
- (D) 46%
- (v) Anhydrous ammonia
- (E) 18%

- 154. Match the following:
 - (i) Primary mineral
 - (ii) Secondary mineral
 - (iii) Silica
 - (iv) Limestone
 - (v) Marble

- (A) Mica
- (B) Metamorphic rock
- (C) Greyish tinge to soil
- (D) Gypsum
- (E) Sedimentary rock

- 155. Match the following:
 - (i) Land Coordinates
 - (ii) Land use
 - (iii) C:N ratios
 - (iv) Land slides and soil erosion
 - (v) Soil and water pollution
- (A) Mineralization and immobilization
- (B) Hilly areas
- (C) Soil capability classification
- (D) Environmental
- (E) GPS

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- Match the following:
 - (i) Legume-Rhizobium symbiosis
 - (ii) Non-legume Frankia symbiosis
 - (iii) Azolla-Anabaena symbiosis
 - (iv) Non-specific associative N2 fixers (D) Alnus, Myrica
 - (v) Phytoplankton

- (A) Sesbania rostrata
- (B) Rice field
- (C) Fish
- (E) Azospirillum, Azotobacter

- 157. Match the following:
 - (i) Potentiometry
 - (ii) Colorimeter
 - (iii) Conductometry
 - (iv) Flame Photometry
 - (v) Gas Chromatograph
- (A) Sodium
- (B) Phosphorus
- (C) Volatile compound
- (D) pH
- (E) EC

- Match the following:
 - (i) Daincha
 - (ii) Rice
 - (iii) Phalaris minor
 - (iv) Ragi
 - (v) Brassica rapa

- (A) Moisture Stress
- (B) Weed
- (C) Oil seed
- (D) Dapog nursery
- (E) Green manuring

- Match the following: 159.
 - (i) Igneous rock
 - (ii) Mineral
 - (iii) Metamorphic rock
 - (iv) Clay
 - (v) Sedimentary rock
- (A) Granite
- (B) Illite
- Shale (C)
- (D) Gneiss
- (E) Diamond

- Match the following:
 - (i) Poultry manure
 - (ii) Pyrites
 - (iii) Gypsum
 - (iv) Compost
 - (v) Azolla

- (A) Calcium
- (B) Biofertilizer
- (C) Carbon
- (D) Organic manure
- (E) Sulphur