

PROVISIONAL ANSWER KEY

Question Paper Code:	51/2018/OL
Category Code:	564/2017
Exam:	Agronomist
Medium of Question:	English
Date of Test	16-10-2018
Department	Kerala State Landuse Board
Alphacode	A

Question1:-Which one of the following is NOT a land-use category?

- A:-Fallow land
- B:-Net area sown
- C:-Marginal land
- D:-Culturable wasteland

Correct Answer:- Option-C

Question2:-Who got the golden boot award in the FIFA World Cup 2018?

- A:-Harry Kane
- B:-Ronaldo
- C:-Embappe
- D:-Luka Modric

Correct Answer:- Option-A

Question3:-Which Indian Movement began with the famous 'Dandi March' of Gandhiji?

- A:-Quit India Movement
- B:-Non-Cooperation Movement
- C:-Khilafat Movement
- D:-Civil Disobedience Movement

Correct Answer:- Option-D

Question4:-Who served as the first leader of the opposition in Lok Sabha in 1952?

- A:-Syamaprasad Mukherji
- B:-A.K. Gopalan
- C:-E.M.S. Namboothirippad
- D:-Y.B. Chavan

Correct Answer:- Option-B

Question5:-Which one of the following South Indian states has the highest ground water utilisation (in percent) of its total ground water potential?

- A:-Tamil Nadu
- B:-Andhra Pradesh
- C:-Karnataka
- D:-Kerala

Correct Answer:- Option-A

Question6:-The sub collector of Thalassery who suppressed the revolt of Pazhassi Raja?

- A:-Lord Curzon
- B:-Robert Clive
- C:-Colonel Munro
- D:-T.H. Baber

Correct Answer:- Option-D

Question7:-The name 'Karinthandan' was known in connection with

- A:-Nadukani pass
- B:-Thamarasseri pass
- C:-Aruvamozhi pass
- D:-Kuttiyadi pass

Correct Answer:- Option-B

Question8:-Which one of the following types describes water as a resource?

- A:-Abiotic resource
- B:-Non-renewable resource
- C:-Biotic resource
- D:-Cyclic resource

Correct Answer:- Option-D

Question9:-The only cricketer to score double century thrice in one day international cricket

- A:-Veerendar Sevag
- B:-Sachin Tendulkar
- C:-Rohit Sharma
- D:-Virat Kohli

Correct Answer:- Option-C

Question10:-The original name of Thycaud Ayya

- A:-Kunjan Chattambi
- B:-Subbarayan
- C:-Muthukkutty
- D:-Kunhikannan

Correct Answer:- Option-B

Question11:-In which one of the following states are the major oil fields located?

- A:-Assam
- B:-Bihar
- C:-Rajasthan
- D:-Tamil Nadu

Correct Answer:- Option-A

Question12:-The social reformer who led the Kallumala Samaram?

- A:-Dr. Palppu
- B:-Vagbhatananda
- C:-Ayyankali
- D:-Sahodaran Ayyappan

Correct Answer:- Option-C

Question13:-Name of the Croatian President who was in the news during FIFA World Cup 2018.

- A:-Vladimir Putin
- B:-Kolinda Grabar - Kitarovik
- C:-Emmanuel Macron
- D:-Tony Blair

Correct Answer:- Option-B

Question14:-Which of the following is non-renewable source of energy?

- A:-Hydel
- B:-Solar
- C:-Thermal
- D:-Wind power

Correct Answer:- Option-C

Question15:-The smallest district in Kerala by population

- A:-Alappuzha
- B:-Palakkad
- C:-Kasargod
- D:-Wayanad

Correct Answer:- Option-D

Question16:-The Vallarpadam Terminal, the only trans-shipment port is at which state?

- A:-Tamilnadu
- B:-Kerala
- C:-Andhra Pradesh
- D:-Maharashtra

Correct Answer:- Option-B

Question17:-Mahatma Gandhi Marine National Park is in

- A:-Rameswaram
- B:-New Delhi
- C:-Ganga Sagar Island
- D:-Port Blair

Correct Answer:- Option-D

Question18:-The Simon Commission was appointed during the period of which Viceroy?

- A:-Lord Irwin
- B:-Lord Wellington
- C:-Lord Chelmsford
- D:-Lord Curzon

Correct Answer:- Option-A

Question19:-'Vayalvaram Veedu' was the name associated with which social reformer?

- A:-Pandit Karuppan
- B:-Sahodaran Ayyappan
- C:-Sree Narayana Guru
- D:-Chattambi Swamikal

Correct Answer:- Option-C

Question20:-Twelfth Five Year Plan in India completed its term in

- A:-March 2014
- B:-March 2015
- C:-March 2016
- D:-March 2017

Correct Answer:- Option-D

Question21:-Among the following terms which one is odd

- A:-Watershed
- B:-Command area
- C:-Catchment area
- D:-Drainage basin

Correct Answer:- Option-B

Question22:-In 1:50,000 toposheet, contour lines are given at

- A:-20 km
- B:-10 km
- C:-25 km
- D:-50 km

Correct Answer:- Option-A

Question23:-Plate like structure occur in

- A:-Surface horizon
- B:-B. Horizon
- C:-Any part of the profile
- D:-C. Horizon

Correct Answer:- Option-C

Question24:-Soils of arid region are generally low in two constituents

- A:-P and K
- B:-Fe and Mn
- C:-OM and nitrogen
- D:-All the above

Correct Answer:- Option-C

Question25:-Legumes have a marked preference for

- A:-Potassium
- B:-Calcium
- C:-Phosphate
- D:-Sulfate

Correct Answer:- Option-B

Question26:-_____ is a rare constituent of atmospheric precipitation.

- A:-`"NH_3"``
- B:-`"NO_2"``
- C:-`"NO_3"``
- D:-`"NO_2"`` and organically bound nitrogen

Correct Answer:- Option-D

Question27:-Accepted tolerable limit of annual soil loss is

- A:-16-20 Mg/ha
- B:-12-16 Mg/ha
- C:-4-12 Mg/ha
- D:-20-25 Mg/ha

Correct Answer:- Option-C

Question28:-The most easily eroded soil particles are having size in the range of

- A:-0.01 mm to 0.05 mm
- B:-0.10 mm to 0.20 mm
- C:-0.05 mm to 0.10 mm

D:-0.10 mm to 0.50 mm

Correct Answer:- Option-D

Question29:-_____ form of sulfur is predominant in humid region surface soil.

A:-Mineral

B:-Inorganic

C:-Organic

D:-All the above

Correct Answer:- Option-C

Question30:-Reclamation of sodic soils is usually done by

A:-Gypsum application

B:-Leaching with water

C:-Sulfur application

D:-Gypsum application and leaching with water

Correct Answer:- Option-D

Question31:-An index which is widely used to represent quantum of aggregates

A:->1.0 mm

B:-1.0 mm

C:-0.5 mm

D:->0.25 mm

Correct Answer:- Option-D

Question32:-`SO₄²⁻` adsorption is restricted to

A:-Acidic soils

B:-Alkaline soils

C:-Neutral soils

D:-Neutral to alkaline soils

Correct Answer:- Option-A

Question33:-Azotobacter chroococcum is found in

A:-Near neutral soil condition

B:-Alkaline soil condition

C:-Acidic soil condition

D:-Near neutral and slightly alkaline condition

Correct Answer:- Option-D

Question34:-The deficiency range of hot water extractable boron is

A:-<0.5 mg/kg

B:-<1.0 mg/kg

C:-<0.1 mg/kg

D:-<2.0 mg/kg

Correct Answer:- Option-A

Question35:-Safe limit of nitrate in drinking water is

A:-10 mg/L

B:-45 mg/L

C:-20 mg/L

D:-5 mg/L

Correct Answer:- Option-A

Question36:-_____ is a nitrification inhibitor.

A:-Isobutylidene diurea

B:-Neem cake

C:-Urea form

D:-All the above

Correct Answer:- Option-B

Question37:-The first objective of watershed management is

A:-Enhancement of agricultural productivity

B:-Improvement of water yields

C:-Conservation of natural resources

D:-Rehabilitation of natural resources

Correct Answer:- Option-D

Question38:-_____ are an important part of "Ela" system.

A:-Arable lands

B:-Non arable lands

C:-Village streams

D:-Grazing lands

Correct Answer:- Option-C

Question39:-Mini watershed has an area of _____ square kilometer.

A:-1-10

B:-10-100

C:-<1.0

D:-100-200

Correct Answer:- Option-B

Question40:-Rainfall in excess of _____ is always causing runoff.

A:->50.0 mm/day

B:->12.5 mm/day

C:->10.0 mm/day

D:->25.0 mm/day

Correct Answer:- Option-A

Question41:-Soil surveys began in the year

A:-1869

B:-1899

C:-1929

D:-1935

Correct Answer:- Option-B

Question42:-The name "Ustochrept" is used to identify a

A:-Suborder

B:-Great group

C:-Subgroup

D:-None of the above

Correct Answer:- Option-B

Question43:-Regur formation is dominant in

A:-Laterite soil

B:-Podzols

C:-Saline soils

D:-Black cotton soil

Correct Answer:- Option-D

Question44:-In soils, cohesion is due to

A:-Vander Waal's forces

B:-Electrostatic attraction

C:-Cationic bridge

D:-All the above

Correct Answer:- Option-D

Question45:-The general range of organic matter content of mineral soils is

A:-0.5-1.5%

B:-2.0-5.0%

C:-1.0-20.0%

D:-1.0-10.0%

Correct Answer:- Option-D

Question46:-Erosivity index was developed by

A:-Wischmeir

B:-Wischmeir and Smith

C:-Smith

D:-Kohnke and Bertrand

Correct Answer:- Option-A

Question47:-In the Universal soil loss equation, factors that are amenable to manipulation are

A:-R and K

B:-L and S

C:-C and P

D:-All the above

Correct Answer:- Option-C

Question48:-The first earth resource technology satellite is

A:-IRS - 1A

B:-IRS - 1B

C:-IRS - 1C

D:-ERST - 1

Correct Answer:- Option-D

Question49:-The number of phases to be completed in planning and execution of watershed management programme

A:-4

B:-3

C:-5

D:-6

Correct Answer:- Option-B

Question50:-The year of start of NWDPPRA is

A:-1987

B:-1988

C:-1986

D:-1989

Correct Answer:- Option-C

Question51:-The number of major categories of soil grouping in the land capability classification is

A:-8

B:-3

C:-4

D:-2

Correct Answer:- Option-B

Question52:-The USLE model applies to

A:-Sheet and Rill erosion

B:-Gully or stream bank erosion

C:-Soil loss from watersheds

D:-Soil loss from individual storms

Correct Answer:- Option-A

Question53:-The speed corresponding to the energy needed for runoff to detach soil particles is

A:->10 cm/S

B:->25 cm/S

C:->30 cm/S

D:->40 cm/S

Correct Answer:- Option-B

Question54:-Crops suited for cultivation in land with gentle slopes

A:-Close growing crops

B:-Any type of crop

C:-Tree crops

D:-Semi perennials

Correct Answer:- Option-A

Question55:- _____ ha is taken as a unit for planning water shed development programme at the village level.

A:-500 ha

B:-1-50 ha

C:-50-100 ha

D:-500-1000 ha

Correct Answer:- Option-A

Question56:-Classification scheme proposed by Vames (1978) is used to classify

A:-Landslides

B:-Gullies

C:-Sheet erosion

D:-Fluvial erosion

Correct Answer:- Option-A

Question57:-National Rainfed Area Authority was set up Govt. of India in the year

A:-2005

B:-2006

C:-2007

D:-2008

Correct Answer:- Option-B

Question58:-The extent of vegetation cover required to prevent splash erosion is

A:-50%

B:-55%

C:-60%

D:-70%

Correct Answer:- Option-D

Question59:-When the degree of slope doubles, the amount of erosion per unit area increases by

A:-1%

B:-2%

C:-2.5%

D:-4%

Correct Answer:- Option-C

Question60:-Which one of the following compounds contains highest % of P_2O_5

A:-Triple superphosphate

B:-Single superphosphate

C:-Enriched superphosphate

D:-Superphosphoric acid

Correct Answer:- Option-D

Question61:-The ratio of total area cropped in a year to the land area available for cultivation and expressed in percentage is the _____

A:-Cultivated land utilization index

B:-Multiple cropping index

C:-Crop intensity index

D:-Relative cropping intensity index

Correct Answer:- Option-B

Question62:-The deep clay to clay loam soils developed in the semi acid areas of Deccan plateau are known as _____

A:-Alfisols

B:-Vertisols

C:-Inceptisols

D:-Entisols

Correct Answer:- Option-B

Question63:-1 bar = _____ cm of water column (approximately)

A:-100 mm

B:-75 cm

C:-100 cm

D:-1000 cm

Correct Answer:- Option-D

Question64:-Conservation tillage system are methods of soil tillage which leave at least _____ per cent of the crop residue on the soil surface.

A:-5

B:-10

C:-20

D:-30

Correct Answer:- Option-D

Question65:-The seed rate to be adopted for a crop depends on the plant spacing, test weight and _____

A:-size of seed

B:-area to be planted

C:-yield potential

D:-germination percentage

Correct Answer:- Option-D

Question66:-Hyper acid zones are those having an aridity index of _____

A:-<0.03

B:-0.03 to 0.10

C:-0.03 to <0.20

D:-0.20 to 0.50

Correct Answer:- Option-A

Question67:-In India, _____ percent of total annual rainfall is received during the South West monsoon season.

A:-75

B:-65

C:-50

D:-40

Correct Answer:- Option-A

Question68:-Among the following, _____ is not an implement for secondary tillage.

A:-Cultivator

B:-Disc plough

C:-Harrow

D:-Plank and roller

Correct Answer:- Option-B

Question69:-A cropping system in which crop intensification occurs only in time dimension is _____

A:-Multi tier cropping

B:-Sequential cropping

C:-Relay cropping

D:-Mixed cropping

Correct Answer:- Option-B

Question70:-The 'stress hormone' which imparts drought tolerance to plant is _____

A:-IAA

B:-ABA

C:-GA

D:-Cytokinin

Correct Answer:- Option-B

Question71:-Underground layer of porous rocks or soils saturated with water from above which yield significant amounts of water are called _____

A:-aquicludes

B:-aquifers

C:-aquitards

D:-water tables

Correct Answer:- Option-B

Question72:-_____ is defined as the physical condition of the soil in relation to crop growth.

A:-Mellowness

B:-Friability

C:-Tilth

D:-Aggregation

Correct Answer:- Option-C

Question73:-Growing of two or more crops simultaneously on the same piece of land with a definite row pattern is known as _____

A:-Intercropping

B:-Multiple cropping

C:-Relay cropping

D:-Polyculture

Correct Answer:- Option-A

Question74:-The Central Soil and Water Conservation Research and Training Institute is located at _____

A:-Dehradun

B:-Pantnagar

C:-Lucknow

D:-Hyderabad

Correct Answer:- Option-A

Question75:-_____ law states that the flow of water through a unit cross section of soil is proportional to the gradient of hydraulic head.

A:-Beer's

B:-Bernouli's

C:-Liebig's

D:-Darcy's

Correct Answer:- Option-D

Question76:-_____ is a herbicide used for weed control in zero tillage.

A:-2,4-D

B:-Oxyfluorfen

C:-Glyphosate

D:-Cyhalofop butyl

Correct Answer:- Option-C

Question77:-Overall biological advantage of intercropping is indicated when the LER is _____

- A:-1
- B:-<1
- C:->1
- D:-0

Correct Answer:- Option-C

Question78:-Climatic clarification based on moisture index, seasonal variation in rainfall, humidity index and aridity index was proposed by _____

- A:-Koppen
- B:-Troll
- C:-Gaussen
- D:-Thorntwaite and Mather

Correct Answer:- Option-D

Question79:-The upper limit of available moisture for plants is given by the soil moisture constant, _____

- A:-maximum water holding capacity
- B:-field capacity
- C:-permanent wilting point
- D:-hygroscopic co-efficient

Correct Answer:- Option-B

Question80:-The main objective of stubble mulch tillage is _____

- A:-weed control
- B:-improved soil aeration
- C:-reduced evaporation
- D:-soil and water conservation

Correct Answer:- Option-D

Question81:-Competition between associated crops in mixed crop communities has been discussed in depth by _____

- A:-Beer
- B:-Donald
- C:-De wit
- D:-Willey

Correct Answer:- Option-D

Question82:-Dryland farming is the cultivation of crops in regions with annual precipitation of _____

- A:-<1500 mm
- B:-<750 mm
- C:->750 mm
- D:->1500 mm

Correct Answer:- Option-C

Question83:-The moisture index of a humid (B3) region falls in the range of _____

- A:-100 and above
- B:-80 to 100
- C:-60 to 80
- D:-40 to 60

Correct Answer:- Option-C

Question84:-_____ is considered the Father of Tillage.

- A:-Pietro de Cresenzi
- B:-Jethro Tull
- C:-Justus Von Liebig
- D:-Boussinghault

Correct Answer:- Option-B

Question85:-If the yields of groundnut and red gram grown as pure crops are 1200 and 1000 kg/ha respectively, and their yields as intercrops are 1000 and 600 kg/ha respectively, the land equivalent ratio of groundnut + red gram intercropping system is _____

- A:-2.8
- B:-1.43
- C:-1.5
- D:-1.8

Correct Answer:- Option-B

Question86:-NICRA programme launched by ICAR during the XI plan period focuses on _____

- A:-Climate Resilient Agriculture
- B:-Crop Resurrection Agriculture
- C:-Continuous Rainfed Agriculture

D:-Conservation and Restoration Agriculture

Correct Answer:- Option-A

Question87:-Crop coefficient is the ratio between _____

A:-Etc and ETo

B:-PET and ETo

C:-PET and ETc

D:-PE and PET

Correct Answer:- Option-A

Question88:-A gradient of _____ degrees is the limit of operating efficiency for machines working on slopes.

A:-6-8

B:-8-10

C:-10-12

D:-12-14

Correct Answer:- Option-D

Question89:-An example for a Sloping Agricultural Land Technology (SALT) is _____

A:-Jhum

B:-Taungya

C:-Modan

D:-Diara

Correct Answer:- Option-B

Question90:- _____ is an example of a reflectant type anti transparent.

A:-Phenyl mercuric acetate

B:-Mobi-leaf

C:-Ascorbic acid

D:-Kaoline

Correct Answer:- Option-D

Question91:-The method of irrigation adopted for widely spaced plants like coconut palms is _____

A:-ring basin method

B:-furrow method

C:-check basin method

D:-border irrigation

Correct Answer:- Option-A

Question92:-Which of the following is not used as a cover crop for soil and water conservation?

A:-Mikania

B:-Calopo

C:-Centro

D:-Mucuna

Correct Answer:- Option-A

Question93:-The Farming Systems Research Station under the Kerala Agricultural University is located at _____

A:-Thiruvalla

B:-Balaramapuram

C:-Kottarakkara

D:-Kumarakom

Correct Answer:- Option-C

Question94:-Vertical mulching is a practice commonly followed to improve infiltration and storage of rain water in _____ soils.

A:-red

B:-alluvial

C:-laterite

D:-black

Correct Answer:- Option-D

Question95:-In general, bulk density of soil ranges from _____ g/cm^3 .

A:-2 to 3

B:-0.5 to 0.75

C:-1 to 1.5

D:-5 to 7.5

Correct Answer:- Option-C

Question96:-Tillage operations carried out in the standing crop are together called _____

A:-secondary tillage

- B:-earthing up
- C:-after cultivation
- D:-inter cultivation

Correct Answer:- Option-C

Question97:-A practice in multiple cropping system which helps to control problematic weeds and pests is _____

- A:-strip cropping
- B:-relay cropping
- C:-crop rotation
- D:-multi-tier cropping

Correct Answer:- Option-C

Question98:-The land configuration recommended by ICRISAT for medium to deep black soils receiving 700-1300 mm rainfall and up to a maximum of 5 percent slope is _____

- A:-dead furrows
- B:-catch pits
- C:-broad beds and furrows
- D:-tied ridges

Correct Answer:- Option-C

Question99:-The amount of water required for each irrigation for scheduling irrigation at IW/CPE ratio of 0.5 with 10 cm of CPE is _____

- A:-0.05 cm
- B:-5 cm
- C:-20 cm
- D:-10.5 cm

Correct Answer:- Option-B

Question100:-The process of deep ploughing done to break open hard pans is known as _____

- A:-sub soiling
- B:-basin listing
- C:-discing
- D:-scooping

Correct Answer:- Option-A