

Water Management Officer (BS-17) Held On 03.10.2026

(Miscellaneous)



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ONE PAPER MCQs



Class Time

8:00 PM – 10:00 PM



Duration

3 Months



Schedule

Mon-Fri Classes



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4000/=

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Q.1: Which sampling strategy is best suited for insect that live in the soil?

- A. Pitfall trap
- B. Pheromone Trap
- C. Yellow sticky trap
- D. **Berlese funnel**

Q.2: The most available soil for crops is:

- A. **Capillary water**
- B. Surface water
- C. Hygroscopic water
- D. All of the above

Q.3: Blind Hoeing is done in:

- A. Rice
- B. Wheat
- C. **Sugarcane**
- D. Ground Nut

Q.4: Fruits have generally low in content:

- A. Carbohydrates
- B. Starch
- C. Vitamin C
- D. **Protein**

Q.5: Most suitable method for nematodes control in soya bean?

- A. Irrigation
- B. Solarization
- C. Resistance Variety
- D. **Crop Rotation**

Q.6: Photo Respiration is solved in:

- A. Cactus
- B. **Maize**
- C. Wheat
- D. Cotton

Q.7: Gypsum is used to reduce:

- A. Salinity
- B. **Sodicity**
- C. Alkalinity
- D. All of the above

Q.8: Froude no for anti dunes:

- A. 0
- B. 0.5
- C. 1
- D. **1.2**

Q.9: In septic tank, decomposition of organic bacteria:

- A. Aerobic Bacteria
- B. **An Aerobic Bacteria**
- C. Both A and B
- D. None of these

Q.10: Soil particles deposited by water area called :

- A. **Alluvial Deposit**
- B. Colluvial Deposit
- C. Aeolian Deposit
- D. Glacial Deposit

Q.11: Field capacity of soil depends upon:

- A. Capillary Tension
- B. Porosity
- C. **Both A and B**
- D. None of these

Q.12: Man Horse power is required in dibbling methods:

- A. 150-200
- B. 200-250
- C. **250-300**
- D. 300-350

Q.13: Which turn linear to rotatory motion :

- A. Calm and follower
- B. **Crankshaft and Connecting Rod**
- C. Worm and Worm wheel
- D. Gear Train

Q.14: Sugarcane setts per acre:

- A. **30,000**
- B. 50,000
- C. 80,000
- D. 12,000

Q.15: Length per unit length called:

- A. **Strain**
- B. Alkaline
- C. Stress
- D. Elasticity

Q.16: Ginger is a:

- A. Root
- B. **Rhizome**
- C. Tuber
- D. Stem

Q.17: A line joining the center of the river and parallel to the plate is called:

- A. **Guage line**
- B. Back pitch
- C. Pitch
- D. Pitch line

Q.18: Which is used to remove weeds:

- A. Planker
- B. **Bar Harrow**
- C. Roatavator
- D. Leveler

Q.19: Thermophile organisms best survive on temperature:

- A. Less than 45
- B. **More than 45**
- C. Less than 20
- D. More than 20

Q.20: A temperature difference of 10 degree centigrade on the celsius scale corresponds to an equivalent temperature difference on the kelvin scale of:

- A. -263 k
- B. 0 k
- C. **10 k**
- D. 283 k

Q.21: Immobile Nutrients in plants deficiency symptoms on younger leaves:

- A. Nitrogen
- B. Phosphorus
- C. Potassium
- D. **Iron**

Q.22: The minimum entity which is applicable to the treatment:

- A. Sample
- B. Factor
- C. **Experimental Unit**
- D. Population

Q.23: Vegetables and fruits have less:

- A. Protein
- B. Carbohydrates
- C. **Lipids**
- D. Vitamins

Q.24: A Trapezoidal Channel with a manning's n of 0.013 side slope of 1v:2H and a bottom width of 3m carries a flow rate of 17m³/s determine the discharge:

- A. **1.9**
- B. 19
- C. 190
- D. 1900

Q.25: Optimum PH for tissue culture:

- A. 3.5-4.5
- B. **5.8-6.5**
- C. 7.2-8
- D. 8.5-9.5

Q.26: The following chemical compound can be used for de chlorination of water:

- A. CO₂
- B. Bleaching Powder
- C. **Sulphur dioxide**
- D. Chlorine

Q.27: Power Pump Shaft is called:

- A. Water Horse power
- B. **Shaft Horse power**
- C. Indicated Horse power
- D. Drawbar Horse power

Q.28: Which crop has low storage capacity:

- A. Onion
- B. Okra
- C. **Lutetece**
- D. Cucurbits

Q.29: Which plant shed leaves in winter:

- A. Banana
- B. **Apple**
- C. Mangoes
- D. None of these

Q.30: Base period of crop is generally:

- A. **Less than the crop period**
- B. Equal to the crop period
- C. Greater than crop period
- D. Unrelated to crop period

Q.31: Prunus Armeniaca is the scientific name of:

- A. Apple
- B. Pear
- C. Plum
- D. **Apricot**

Q.32: In an engine which component controls the intake and exhaust value:

- A. **Cam Shaft**
- B. Crank Shaft
- C. Fly Wheel
- D. Connecting Rod

Q.33: The total number of climate related ecological zones according to PARC 1980:

- A. **10**
- B. 12
- C. 8
- D. 14

Q.34: Which region has high temperature rainfall and humidity:

- A. Polar
- B. **Tropical**
- C. Temperate
- D. Arid

Q.35: An animal that attack on feeds on another animal is called:

- A. **Predators**
- B. Paratoids
- C. Parasites
- D. Decomposer

Q.36: Carbamates and Organophosphate insecticides kill insects by effecting the:

- A. **Nervous system**
- B. Digestive system
- C. Both A and B
- D. None of these

Q.37: Alkaline soil is treated with:

- A. **Gypsum and leaching**
- B. Gypsum
- C. Leaching
- D. Lime

Q.38: Which method is not used to remove waterlogging conditions?

- A. Lining Canal
- B. Tube Well Drainage
- C. Bio Drainage
- D. **Contour Drainage**

Q.39: Which one is not a GIS?

- A. Mapinfo
- B. Idrisi 32
- C. GID
- D. **Aito Cad**

Q.40: Water holding capacity of soil depends upon:

- A. Soil porosity
- B. Capillary Tension
- C. **Both A and B**
- D. None of these

Q.41: Vegetables waste is generally classified as a:

- A. **Bio Degradable Waste**
- B. Non Bio Degradable Waste
- C. Hazardous Waste
- D. Radio Active Waste

Q.42: The process of increasing the value of food products is called:

- A. **Food Processing**
- B. Food Preservation
- C. Food Storage
- D. Food Science

Q.43: The seed rate of Sugarcane per hectare is:

- A. **7-9 Tons**
- B. 21-28 Tons
- C. 2-3 Tons
- D. 40- 50 Tons

Q.44: Seed production without pollination is called:

- A. **Apomixis**
- B. Polyembryony
- C. Parthenocarpy
- D. Vivipary

Q.45: The founder of Hybrid seed technology is:

- A. Yuan Long Ping
- B. Horman Borlauge
- C. **George H Shull**
- D. George Mendal

Q.46: Diesel Engine Temperature can be maintained upto:

- A. 30 C
- B. 40 C
- C. 120 C
- D. **90 C**

Q.47: Tea leaves are obtained from:

- A. Nicotine
- B. **Alkaloids**
- C. Citric Acid
- D. Giyecogen

Q.48: Water Reuirements for plant metabolic activities and evapotranspiration is called:

- A. Irrigation water requirement
- B. **Consumptive water use**
- C. Conjuctive use
- D. Net Irrigation requirements

Q.49: An auger in the metering mechanism is related to:

- A. Seed Drill
- B. Planter
- C. **Fertilizer Applicator**
- D. All of the above

Q.50: The smallest unit in an experiment is called:

- A. Sample
- B. **Experiment Unit**
- C. Population
- D. Treatment

Q.51: The man hour required for dibbling are approximately:

- A. 100-150 man hrs
- B. 150-200 man hrs
- C. **200-250 man hrs**
- D. 250 -300 man hrs

Q.52: An Agro Forestry based industry is:

- A. **Furniture**
- B. Construction
- C. Cement
- D. Textile

Q.53: The depth of water required by a crop during its entire growth period is called:

- A. **Delta of water**
- B. Duty of Water
- C. Base periods
- D. Crop periods

Q.54: Chain Survey is based on which shape :

- A. **Triangular**
- B. Square
- C. Rectangle
- D. Hexagonal

Q.55: The point at which actual vapor pressure become equal to saturated vapor pressure is called:

- A. **Dew point temperature**
- B. Wet bulb temperature
- C. Dry bulb temperature
- D. Freezing point

Q.56: Rear wheels if attached to disc plough are used :

- A. **Control Side Draft**
- B. Control Death of cut
- C. Reduce Friction
- D. Increase Speed

Q.57: Tissue Culture is techniques used to grow disease free plants is:

- A. Meristem Culture
- B. Anther Culture
- C. Callus Culture
- D. Embryo Culture

Q.58: The best and most accurate methods to estimates the average depth of precipitation is:

- A. Isohytal Methods
- B. Thiessen Polygon
- C. Arithmetic mean methods
- D. Hyposometric methods

Q.59: When the water level head is less than 5 times of the orific diameter, the orific is:

- A. Submerged Orific
- B. Large Orific
- C. Small Orific
- D. Bell Mounted Orific

Q.60: Organic matter is decomposed by microorganisms under:

- A. Aerobic Conditions
- B. Anaerobic Conditions
- C. Both A and B
- D. None of these

Q.61: Storage and reuse of irrigation water is:

- A. Surge Irrigation
- B. Furrow Irrigation
- C. Tail and recovery
- D. Drip irrigation

Q.62: An old and common method of irrigation in Pakistan is:

- A. Border Irrigation
- B. Basin Irrigation
- C. Sprinkler Irrigation
- D. Sub Surface Irrigation

Q.63: An implemented driven completely by the tractor steering is classified as a:

- A. mounted
- B. semi mounted
- C. trailed
- D. self propelled

Q.64: Cotton is a :

- A. Fiber Crop
- B. Grain Crop
- C. Pulse Crop
- D. Sugar Crop

Q.65: Implements used for hard soil having large tines acre associated with:

- A. Chiesel Plough
- B. Disc Harrow
- C. Cultivator
- D. Sub Soiler

Q.66: When agriculture demand decrease over all production generally?

- A. Decrease
- B. Remain Same
- C. Increase
- D. Become Zero

Q.67: Plants available water is mainly:

- A. Capillary Water
- B. Hyroscopic water
- C. Gravitational Water
- D. Chemically Combine water

Q.68: Field capacity is:

- A. Water retained after gravitational water has drained
- B. Water held at full saturation
- C. Water held at permanent wilting point
- D. Hygroscopic water only

Q.69: Which of the following is not the water soluble vitamin:

- A. Vitamin C
- B. Vitamin K
- C. Vitamin C
- D. **Both A and C**

Q.70: Phosphorus is mainly lost affected in the soil due to:

- A. Leaching
- B. **Fixation in Soil**
- C. Volatilization
- D. Denitrification

Q.71: Change in length divided by original length is called:

- A. **Strain**
- B. Younger Modules
- C. Stress
- D. Elasticity

Q.72: A rise of 10 kelvin is equal to:

- A. **10 C increase**
- B. 10 C decrease
- C. 283 C increase
- D. 283 C decrease

Q.73: If the length of rectangular wire is equal to the width of the channel that type of wire is called :

- A. **Suppressed Wire**
- B. Contracted Wire
- C. Broad Crested Wire
- D. Spoiled Wire

Q.74: Water pressure produced during steam is:

- A. **Super heated vapor**
- B. Saturated Vapor
- C. Wet Vapor
- D. Dry Air

Q.75: A tractor brakes works on the principal of:

- A. Torque
- B. **Friction**
- C. Coupling
- D. Inertia

Q.76: Moisture is between FC and PWP is called:

- A. Gravitational Water
- B. **Available Water**
- C. Hygroscopic Water
- D. None of these

Q.77: Thiessen weight of 5 gauge are 1,10,0,16,0,11,0.09 and rain fall is 132, 114 ,162 , 1138, 207 mm, average depth of rainfall is:

- A. 54.69
- B. 64.69
- C. **84.69**
- D. 74.69

Q.78: Rotation movement of the piston is due to the help of:

- A. **Crank shaft**
- B. Cram Shaft
- C. Rotational Arm
- D. Directional

Q.79: Movement of the Inlet and the Outlet values is because of:

- A. Crank Shaft
- B. **Cram Shaft**
- C. Fly wheel
- D. Governor

Q.80: Sugar production per hectare is:

- A. 3-4 Tons
- B. **8-9 Tons**
- C. 12-15 Tons
- D. 20- 25 Tons

Q.81: Boron Critical level is about:

- A. **0.5 PPM**
- B. 2 PPM
- C. 5 PPM
- D. 10 PPM

Q.82: Identification of Nucleotides is done by:

- A. **DNA Squenching**
- B. Denaturation
- C. PCR
- D. Gel Electrophoresis

Q.83: A good fuel should contain the quality of:

- A. Good volatility and free from gum
- B. High antiknock
- C. Chemical purity
- D. **All of the above**

Q.84: Primary tillage normally design to:

- A. Reduce soil strength
- B. Cover plant material
- C. Re-arranged aggregated
- D. **All of the above**

Q.85: Strength of any material is indicated by its:

- A. FHP
- B. **IHP**
- C. BHP
- D. All of the above

Q.86: Sub Soiler is used for:

- A. **Primary tillage plough**
- B. Secondary tillage implements
- C. Conservation tillage tool
- D. Zero tillage machine

Q.87: Discharged of well per unit drawdown is called:

- A. Well yield
- B. Well capacity
- C. Well Efficiency
- D. **Specific capacity of well**

Q.88: Best root stock of citrus in KPK:

- A. Jhattii Kahti
- B. Rough Lemon
- C. **Source orange**
- D. None of these

Q.89: Number of setts of Sugarcane per hectare:

- A. 40,000
- B. 60,000
- C. **80,000**
- D. 100,000

Q.90: Surface tension:

- A. Increase with increase in temperature
- B. First increase than decrease
- C. Remain same
- D. **None of these**

Q.91: The pressure of confined aquifer is option:

- A. **Above atmospheric pressure**
- B. Below atmospheric pressure
- C. At atmospheric pressure
- D. At absolute zero

Q.92: Building blocks of protein are:

- A. **Amino Acids**
- B. Fatty Acids
- C. Glucose
- D. Nucleotides

Q.93: Pakistan divided in how many agroecology zones by PARC 1985:

- A. 8
- B. **10**
- C. 12
- D. 15

Q.94: Current meter is used for:

- A. **Velocity of flow water**
- B. Density of flow water
- C. Pressure of flow water
- D. Depth of flow water

Q.95: 1 Acre dimension ?

- A. 5,445 SQ M
- B. 43, 560 SQ M
- C. **43, 560 SQ FT**
- D. 5, 445 SQ FT

Q.96: Pomology is the study of:

- A. **Fruits**
- B. Vegetables
- C. Cereals
- D. Medicinal Plants

Q.97: Olericulture is the study of?

- A. **Vegetables**
- B. Fruits
- C. Cereals
- D. Medicinal Plants

Q.98: Loose smut of wheat is:

- A. Soil Borne
- B. Air Borne
- C. **Seed Borne**
- D. Water Borne

Q.99: Denitrification is involve in:

- A. Oxidation
- B. **Reduction**
- C. Hydrolysis
- D. Fixation

Q.100: Potato belongs to the family:

- A. Rosaceae
- B. **Solanaceae**
- C. Anonaceae
- D. Anacardiaceae

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(Answer Key)

1. D	2. A	3. C	4. D	5. D	6. B	7. B	8. D	9. B	10. A
11. C	12. C	13. B	14. A	15. A	16. B	17. A	18. B	19. B	20. C
21. D	22. C	23. C	24. A	25. B	26. C	27. B	28. C	29. B	30. A
31. D	32. A	33. A	34. B	35. A	36. A	37. A	38. D	39. D	40. C
41. A	42. A	43. A	44. A	45. C	46. D	47. B	48. B	49. C	50. B
51. C	52. A	53. A	54. A	55. A	56. A	57. A	58. A	59. B	60. C
61. C	62. B	63. A	64. A	65. A	66. A	67. A	68. A	69. D	70. B
71. A	72. A	73. A	74. A	75. B	76. B	77. C	78. A	79. B	80. B
81. A	82. A	83. D	84. D	85. B	86. A	87. D	88. C	89. C	90. D
91. A	92. A	93. B	94. A	95. C	96. A	97. A	98. C	99. B	100. B