

ಅಂತಿಮ ಪರೀಕ್ಷೆ Final Examination QP set code- A



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|---|---|---|---|---|---|---|--|---|---|---|--|--------------|---|---|---|---|---|---|--|
| N | A | M | E | | O | F | | T | H | E | | S | T | U | D | E | N | T | |
| U | H | S | 2 | 4 | U | G | | | | | | College code | | | | | 0 | | |

Time: 10:30 -11:00 (30 mins.)

Total Marks: 20

Part – A Question paper (2 pages)

AEG-111(1+1).

- ✓ Write the Correct Part-A Question paper Set Code in OMR sheet.
- ✓ Please return Part-A QP after 30 min of start of examination to the invigilator and Collect while leaving the exam hall.

Q.I. Select the most correct answer A/B/C/D for the following questions.

15 x 0.5 mark = 7.5 Marks

1. ----- is the process by which water movement through their leaves of the plant.
 - a) Evapotranspiration
 - b) **Transpiration**
 - c) Evaporation
 - d) None of these
2. The formula used for to find out the irrigation requirement of the crop.
 - a) **WR-(ER+S)**
 - b) WR+(ER+S)
 - c) WR-(ER-S)
 - d) None of these
3. In drip and sprinkler irrigation systems of laterals are laid out
 - a) **Across the slope**
 - b) Along the slope
 - c) Across the undulation
 - d) None of these
4. Physical properties of the soils are
 - a) Texture
 - b) Structure
 - c) bulk density
 - d) **All of these**
5. The formula used for to find out the theoretical discharge of sprinkler nozzle is $q = C_d a \sqrt{2gh}$ where C_d represents
 - a) Coefficient of deviation
 - b) **Coefficient of discharge**
 - c) Coefficient of depth
 - d) None of these
6. Drip irrigation system are suitable for
 - a) **Wide spaced crops**
 - b) Closed spaced crops
 - c) Both a and b
 - d) None of these
7. Water saving to the tune of ----- percent is possible in drip irrigation system
 - a) **30 to 70**
 - b) 20 to 40
 - c) 10 to 30
 - d) 80 to 90
8. The laterals are made up of ----- material
 - a) HDPE
 - b) LDPE
 - c) PVC
 - d) **LLDPE**
9. The application efficiency in case of drip system should be more than -----
 - a) 75%
 - b) 85%
 - c) **90%**
 - d) 83%
10. Chemical clogging in drip system can be avoided by -----treatment.
 - a) **Acid treatment**
 - b) Chlorine treatment
 - c) Filtration
 - d) Hydrochloride treatment
11. -----is the process of application of water soluble fertilisers through drip irrigation system
 - a) Chemigation
 - b) **Fertigation**
 - c) Chlorination
 - d) Acidification
12. The irrigation efficiency of sprinkler depends upon the ----- of water application
 - a) **Degree of uniformity**
 - b) Quality
 - c) Size
 - d) Quantity
13. Selection of filters based on
 - a) Soil type
 - b) Crop type
 - c) **Source and quality of water**
 - d) Water source
14. When entire unit of sprinkler system can be shifted from one place to another place, it is called ----- portable system.
 - a) Non
 - b) **Fully**
 - c) Partial
 - d) Half
15. For preventing the return flow,----- valve is used
 - a) Ball valve
 - b) Air valve
 - c) Flush valve
 - d) **Non-return valve**
16. Where the sprinkler has two nozzles, the total discharge is the -----
 - a) Twice the capacity of the nozzle
 - b) Thrice the capacity of the nozzle
 - c) **Combined capacity of both**
 - d) None of these

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17. During flowering stages of the crops, this method of irrigation should be avoided.
a) Flood irrigation b) Drip irrigation **c) Sprinkler irrigation** d) None of these
18. Conveyance efficiency is less in this method of irrigation
a) Drip irrigation b) Flood irrigation c) Sprinkler irrigation d) None of these
19. ----- method of irrigation is reduced the clogging problems but it is expensive.
a) Drip irrigation **b) Pulse irrigation** c) Sprinkler irrigation d) subsurface drip irrigation
20. Micro jet does not have moving parts but have ----- discharge rate and ----- coverage than drippers and bubblers.
a) Greater and Greater b) Greater and Lesser c) Lesser and Lesser d) Lesser and greater

Q.II. Mention TRUE (T /FLASE /F) for the following statements in OMR sheet

15x 0.5 mark =7. 5 Marks

16. Sprinkler irrigation systems are not suitable for clay soils **TRUE**
17. Land levelling is not required for sprinkler and drip irrigation systems **TRUE**
18. In drip and sprinkler irrigation systems of main and sub main are laid out across the slope **FALSE**
19. Micro- sprinklers have greater discharge and greater coverage than dripper **TRUE**
20. Wind velocity disturb the application rate in drip irrigation system **FALSE**
21. Uniformity coefficient is not depends on sprinkler size **FALSE**
22. Subsurface drip irrigation is reduce the evaporation loss than surface drip irrigation **TRUE**
23. Gravel filters are not suitable for pond water **FALSE**
24. Soluble fertilisers are not suitable under drip irrigation system **FALSE**
25. Flush valves are used to remove dirt accumulated inside the pipe **TRUE**
26. Screen filters are necessary in surface irrigation **FALSE**
27. The unit of pan evaporation is mm/ha **FALSE**
28. Drippers are connected to main and sub main. **FALSE**
29. Irrigation efficiency is more under sprinkler irrigation than drip irrigation system **FALSE**
30. Wind velocity causes improper distribution of irrigation water under sprinkler irrigation **FALSE**

Q.III. Match column A with column B for correct answer.

10 x 0.5 mark = 05 Marks

| Q.No | Column A | | Column B | ANSWERS |
|------|-------------------|---|------------------------------------|----------|
| 31 | Water meter | A | Green house | I |
| 32 | Ball valve | B | Water flush out | G |
| 33 | bubbler | C | LLDPE | J |
| 34 | Gravel filter | D | HDPE | F |
| 35 | Screen filter | E | Secondary filter | E |
| 36 | Main and sub main | F | Primary filter | D |
| 37 | Lateral | G | Flow control | C |
| 38 | Flush valve | H | Connection of submain from lateral | B |
| 39 | Misting system | I | Measured water | A |
| 40 | Grommet | J | Reduced infiltration rate | H |

END OF PART – A QUESTION PAPER 25thMarch 2025

Student's Signature..... Invigilator's signature.....