



**Department of Civil Engineering**  
**CE8603 & Irrigation Engineering**  
**Unit I - MCQ Bank**

1. Crop period is approximately assumed to be the same as that of the base period.

- a) True
- b) False

**Answer: a**

2. What is the first step in soil preparation before sowing of seeds?

- a) Levelling
- b) Ploughing
- c) Manuring
- d) Pre-watering

**Answer: b**

3. The first watering before sowing the crop is \_\_\_\_\_

- a) paleo
- b) kor
- c) delta
- d) flooding

**Answer: a**

4. What is called as the percentage of C.C.A irrigated at a time in one crop season?

- a) Gross Command Area
- b) Culturable cultivated area
- c) Culturable uncultivated area
- d) Intensity of irrigation

**Answer: d**

5. Superfluous water is also called \_\_\_\_\_

- a) capillary water

- b) gravitational water
- c) hygroscopic water
- d) saturation capacity

**Answer: b**

6. The area in which inferior crops can be grown without irrigation is called semi-arid region.

- a) True
- b) False

**Answer: a**

7. What is the time interval between the sowing and harvesting of crops?

- a) Base period
- b) Kor period
- c) Crop period

**Answer: c**

8. What is the time interval between two consecutive watering called?

- a) Crop Period
- b) Period
- c) Base Period
- d) Rotation Period

**Answer: d**

9. What is total depth of water, for complete growth of crop called?

- a) Triangle
- b) Delta
- c) Duty of Water

**Answer: b**

10. Duty of water helps in the work out of discharge required for designing the channel.

- a) True
- b) False

**Answer: a**

11. What is the name of duty called as in direct irrigation?

- a) Flow Duty
- b) Quantity Duty
- c) Duty

**Answer: a**

12. Which type of period is slightly more than its counterpart period?

- a) Crop Period
- b) Period
- c) Base Period
- d) Rotation Period

**Answer: a**

13. Which type of units is used to define high and low duty?

- a) Hectare-meters
- b) Hectares/cumec
- c) Meters
- d) Centimeters

**Answer: b**

14. Which type of area is large in quantity compared to others?

- a) Gross Commanded Area (G.C.A)
- b) Culturable Commanded Area (C.C.A)
- c) Culturable Cultivated Area
- d) Culturable Uncultivated Area

**Answer: a**

15. In what type of area crop is not sown for a particular season?

- a) Gross Commanded Area (G.C.A)
- b) Culturable Commanded Area (C.C.A)
- c) Culturable Cultivated Area
- d) Culturable Uncultivated Area

**Answer: d**

16. How can we improve the duty of water?

- a) Lining of Canals
- b) Construction of Weir
- c) Construction of Dam

**Answer: a**

17. Which formula is extensively used for estimating seasonal water requirements?

- a) Blaney-Criddle formula
- b) Hargreaves pan evaporation method
- c) Penman's equation
- d) Christiansen formula

**Answer: a**

18. Which method is time-consuming and expensive?

- a) Tanks and Lysimeter
- b) Vapour transfer method
- c) Field plot method
- d) Integration method

**Answer: a**

19. Which of the following is not an empirical method of determining consumptive use?

- a) Lowry Johnson method
- b) Penman's equation
- c) Hargreaves method
- d) Inflow-outflow method

**Answer: d**

20. The evapotranspiration rate is higher in light green vegetation than in dark green vegetation.

- a) True
- b) False

**Answer: b**

21. Which method is widely used in India for the computation of consumptive use?

- a) Penman's equation

- b) Hargreaves – Christiansen equation
- c) Blaney-Criddle equation
- d) Tanks and lysimeter

**Answer: a**

22. Which method involves the use of crop factor?

- a) Penman’s equation
- b) Hargreaves method
- c) Blaney-Criddle Formula
- d) Tanks and Lysimeter

**Answer: c**

23. Penman’s equation for the estimation of PET has been derived by using \_\_\_\_\_

- a) energy balance approach
- b) mass transfer approach
- c) combination of energy balance approach and mass transfer approach
- d) combination of energy balance approach and energy transfer approach

**Answer: c**

24. Albedo or reflection coefficient factor is used in which method?

- a) Blaney- Criddle equation
- b) Christiansen equation
- c) Penman equation
- d) Tank and Lysimeter method

**Answer: c**

25. Penman’s equation can also be used to compute evaporation from a water surface like a lake if \_\_\_\_\_

- a) reflection coefficient = 0.05
- b) reflection coefficient > 0.05
- c) reflection coefficient < 0.05

**Answer: a**