

Use Separate answer
book for each group

B.S.W. (Honours) Semester -IV Examination 2015

Course : SWC-15

(Agriculture and Animal Husbandry)

Time : Three Hours

Full Marks : 80

Questions are of value as indicated in the margin.

Group-A [Agriculture Farm Training]

Answer **any four** questions.

1. What is weed? Classify the weed on the basis of their life cycle (ontogeny). State the harmful effects of weed on crop production. 2+4+4=10
2. Define soil. What are the primary soil particles? Write down the dimensions of the primary soil particles. Differentiate soil fertility and soil productivity. 2+1.5+3.5+3=10
3. Define crop. Write down ten crop families with examples according to taxonomical classification. Give two examples of summer crop with their sowing and harvesting time. 2+5+3=10
4. State the Arnon's criteria of nutrient essentiality. Enumerate manures. Classify the types of manures with suitable examples. What is meant by straight and complex fertilizer? 3+2+3+2=10
5. Define irrigation. Why is irrigation needed? What are the factors affecting the method of irrigation? Enlist the different methods of irrigation and sketch a lay-out of border irrigation. 2+3+2+3=10
6. What is tillage? What are the objectives of tillage? State preparatory tillage and names of the tillage implements. 2+4+4=10
7. Answer the following questions : 2×5=10
 - (a) Seasonal classification of rice crop.
 - (b) Soil texture and soil structure
 - (c) Concentrated organic manure with example.
 - (d) Major soils of India
 - (e) Weeds propagated by rhizome, creeper, sucker and bulb.

Group-B [Animal Husbandry and Allied Matter]

Answer **any four** questions.

1. Write down the aetiology, symptom and prevention of the following diseases (**any four**) : 2.5×4=10
 - (a) F.M.D. of cow.
 - (b) H.S. of buffalo
 - (c) Duck Plague
 - (d) Coccidiosis in fowl
 - (e) Calf Scour
 - (f) Swine fever
 - (g) Goat pox.
2. Mention the characteristic features of the following breeds (**any five**) 2×5=10
 - (a) Red Sindhi
 - (b) Murrah
 - (c) Nellore

P.T.O.

- (d) Berkshire
 - (e) New Hampshire
 - (f) Bengal Goat
 - (g) Anglo-Nubian
 - (h) Merinos
3. What is the importance of Animal Husbandary in relation to Social Work perspective? 10
 4. Describe different method of outbreeding with explanation. 10
 5. (a) What are the factors affecting quality and quantity of milk yield?
 (b) Mention different physio-chemical properties of milk. 5+5=10
 6. Differentiate between the following (**any four**): 4×2.5=10
 - (a) Morbidity and Mortality
 - (b) Litter size and Litter number
 - (c) Incubation period of disease and that of egg
 - (d) Prevention and Treatment
 - (e) Food and Feed
 - (f) Broiler and layer
 7. Write short notes on (**any four**): 4×2.5=10
 - (a) Pashmina and Mohair
 - (b) Castration of Goats
 - (c) Poultry feeding
 - (d) Leguminous fodder
 - (e) Artificial Insemination
 - (f) Face to face system of housing
 - (g) Vaccination schedule in poultry
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