

يرسل البحث على :

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المعايير التي يجب مراعاتها في كتابة الابحاث لطلاب كلية الزراعة الفرقة الاولى

١- البحث فردي

٢- كتابة اسم الطالب باللغه العربيه كاملا واذا كان انتظام - انتساب ام تخلف

٣- نوع الخط و حجمه: 14 Times New Roman

٤- المسافة بين السطور single spacing

٥- عدد الصفحات لا يقل عن خمس صفحات

٦- يقدم الطالب امثلة مع التحليل و التوضيح

٧- يتم رفض الابحاث المتشابهه

٨- يختار الطالب موضوع واحد فقط من الموضوعات التاليه للكتابة عنه

1. Discuss the history of agriculture in the Fertile Crescent clarifying the influencing factors upon the development of agriculture, the used fertilizers, and the kind of water supplies used in this area?
2. Discuss the different kinds of soil in relation to agriculture, the crops suitable for cultivation in each kind, the soil structure, soil texture, and parent material?
3. Discuss the water sources and supplies in relation to agriculture; kinds of the fertilizers; and the mutually beneficial relationship between beekeeping and cultivation?

4. Family farming in mountains is as diverse as the myriad mountain landscapes of the world, but at the same time, there are also commonalities. ...discuss prerequisites, difficulties, most suitable crops and provide examples?
5. Global change that affects farming in mountain environments has many facets, extending beyond the biophysical impacts on temperatures, extreme weather events, melting glaciers and shortened snow cover related to climate change..... Discuss and provide examples?
6. In sprinkler irrigation, water is pumped through a pipe system and then sprayed onto the crops through sprinkler heads... Discuss the advantages and disadvantages, and provide examples of the crops that demands sprinkler irrigation?
7. Mountain farming in East Africa has been profoundly transformed over the last decades, due to government policies, population growth, land scarcity and dwindling farm size, outmigration and an increasing integration into world commodity markets. Discuss and provide examples?
8. In drip irrigation, water is conveyed under pressure through a pipe system to the fields, from where it is discharged slowly or at a pre designed rate... Discuss and provide examples?
9. Today, Montenegro's increased tourism has opened new opportunities for enhancing organic farming in Montenegro's mountains... Discuss and provide examples?

10. The growth of cities in Peru's Quechua belt has become an important driver of land use change.... Discuss and provide examples?
11. Important chemical fertilizers are the source of major nutrients... Discuss different fertilizers and their nutrient contents providing examples and clarification?
12. Family farmers in mountain areas historically cooperated with each other to earn their living and steward natural resources. Today the forms of cooperative action involve new and innovative partnerships and collaborations across increasingly diverse types of people, sectors and enterprises..... Discuss and provide examples?
13. Plant Analysis is the second tool, after soil testing that is critical to improve crop nutrition and yield. Only plant analysis can identify the actual nutrient status of a plant or crops...discuss both methods?
14. Sodium or potassium benzoate can be added to fruit products to control the growth of *mold* and *fungus*. They are usually added to products that are opened and not used in one go, for example fruit squash....discuss the effect of processing on nutritional quality...effect of different types of processing on vitamin content...Processing pre-treatments for fruit and vegetables??
15. When the organic farmers in the Austrian state of Tyrol wanted to establish a trading platform to collect their products and sell it collectively to retailers, they received assistance from the regional agricultural marketing board, Agrarmarketing Tyrol, which subsidized the initial personnel costs... Discuss and provide examples?

16. Discuss the Irrigation Water Analysis and the most important characteristic that determine the quality of irrigation water??
17. Increase in productivity and profitability can be achieved through variety of methods...discuss the factors influencing decisions on the selection of crops and cropping system??
18. Degradation of soil and water takes place with water and wind erosion...Discuss and clarify??
19. Surface irrigation is the application of water by gravity flow to the surface of the field. Either the entire field is flooded (Basin Irrigation) or the water is fed into small channels (furrows) or strips of land (borders)...Discuss each kind and provide examples??
20. A seed (in some plants, referred to as a 'kernel') is a small embryonic 'plant' enclosed in a covering called the seed coat, usually with some 'stored food'. Seeds fundamentally are a means of reproduction and most seeds are the product of 'sexual reproduction', which remixes genetic material and 'phenotype variability' that 'natural selection' acts upon. Discuss Functions of seeds...Characteristics of good seed... Seed types, characteristics... Seed treatment...and Seed coating?
21. Most food processing and preservation techniques are based on the control of three basic factors which are essential for the activity of microbes and enzymes: temperature...moisture content...acidity (pH) ...discuss and clarify?

22. Farmers resort to cultivation of a number of crops and rotate particular crop combinations. More than 250 cropping systems are being followed in India, of which 30 cropping systems are more prevalent. Discuss five kinds of the important cropping systems?

23. To feed ever-increasing population of the country, extensive cropping system give ways to intensive cropping which are exploiting natural resources. Therefore in future more thrust will be on efficient natural resource management and sustainable production system. This encompasses an animal component, and perennial and annual crop component, aqua culture, agro based production and processing units. Discuss integrated farming system??

24. Modernization of agriculture requires appropriate machinery for ensuring timely field operations, effective application of agricultural inputs and reducing drudgery in agriculture...discuss Mechanization in agricultural fields??.

25. Good Agricultural Practices (GAP) are practices that address environmental, economic and social sustainability for on-farm processes, and which result in safe and quality food and non-food agricultural products" ... What are GAP codes, standards and regulations? Why do GAP codes, standards and regulations exist? Discuss how GAP related to crop protection?

26. Deficiency Symptoms of Nutrients in Plants has different symptoms ... discuss phosphorous (P)-deficiency

Symptoms...Nitrogen (N) – deficiency symptoms...Potassium (K) – deficiency Symptoms...Calcium (Ca) – deficiency symptoms?

27. Several factors cause fruit and vegetables to spoil... *enzymes* within fruits and vegetables... *micro-organisms* (including bacteria and molds)... environmental factors, including temperature, moisture and sunlight... discuss and clarify?

28. Post-harvest handling includes a range of processes such as grading, sorting, washing and packaging. It also includes the transport of fruits and vegetables and storage before processing... discuss and clarify?

29. Drying is one of the most widespread food processing methods used to preserve foods. It involves reducing the amount of water in fruit and vegetables to a low enough level so that the spoilage enzymes and bacteria cannot work... discuss and clarify?

30. Packaging is an essential part of all food processing operations. Good and appropriate packaging will ensure that your processed products do not become spoiled and remain edible for as long as possible... discuss and clarify the types, the purposes, the advantages, and the disadvantages?.