

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
END TERM (SUMMER SEMESTER EXAMINATION)- June-2017

B.Tech VIII Semester, Ph.D

COURSE CODE: 15B1WBT841

MAX. MARKS:50

COURSE NAME: Industrial Crops and Products

COURSE CREDITS: 03

MAX. TIME: 2 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q.1 Do as directed

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1. Guar if sown late, closer interspacing have proved optimum. T/F
2. Generally seed rate of ___ kg/ha for spreading type and ___ kg/ha for un-branched varieties of guar is recommended.
3. The recommended dose of $ZnSO_4$ for guar crop is ___ kg/ha soil application or ___% foliar spray at ___ days of sowing.
4. ___ is top coffee producing country and in India state of ___ is number one in its production, which is followed by state of ___.
5. The optimum temperature for sugarcane crop production is ___ and crop duration is of ___ months.
6. ___ cm long three budded canes are required for sugarcane plantation at the rate of ___ per hectare.
7. What is planting time of sugarcane?
8. ___ is used for weed control in sugarcane at the rate of ___ at ___ days interval.

Q.2

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- a. Discuss different steps and stages involved in processing of tea or coffee
- b. What do you understand by curing of tobacco leaves? Enlist the methods of curing
- c. Enlist important varieties of potato along with their characteristics

Q.3 Discuss different stages in crop cycle of guar. Write about the emerging concept of summer guar.

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Q.4 Mention industrial applications of guar gum and Guar Gum manufacturing Process.

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Q.5 Write about dynamics of guar crop in different regions with respect to time of sowing, spacing and plant density.

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Q.6 Write in detail about Economical and industrial importance, origin and history, climatic and soil Requirements, of any three of following Industrial Crops: Tobacco, Sugarcane, Cotton, mentha, coffee

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