

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD DEGREE OF
BACHELOR OF NATURAL RESOURCES MANAGEMENT**

NARE 341: FIRE USE AND CONTROL

STREAMS: BSC. NARE Y3 S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 9/04/2020

2.30 P.M - 4.30 P.M.

INSTRUCTIONS

- Answer All Questions in Section A and any other Two in Section B
- Do not write on the question paper

Q.1. Briefly explain any six characteristics of wildfires. [6 Marks]

Q.2. Explain how any three fuel characteristics may influence wildfire behaviour. [6 Marks]

Q.3. Using examples, explain how changing fire regime may affect an ecosystem. [6 Marks]

Q.4. Describe the occurrence and spread of wildfires. [6 Marks]

Q.5. Discuss the principles involved in wildfire suppression. [6 Marks]

SECTION B [40 MARKS]

Q.6. Citing their merits and demerits, explain the application of various wildfire detection and suppression techniques. [20 Marks]

Q.7. Discuss various considerations for safety when carrying out prescribed burning. [20 Marks]

Q.8. "Fire is a good servant but a bad master". Discuss. [20 Marks]