

PHARMACEUTICAL ASSOCIATION OF THE PROVINCE OF BRITISH COLUMBIA

Semi-Annual Examination, April 13, 14, and 15, 1948.

BOTANY

ANSWER ONLY FOUR QUESTIONS

Examiner—JOHN DAVIDSON, F.L.S.

Time Allowed—Two Hours.

Regulations Governing the Examinations

Candidates must observe the Regulations Governing the Examinations as supplied in printed form by the Registrar, and also the instructions printed on the front cover of the examination writing books, regarding the use of same.

Candidate's Number.....

1. Identify the parts shown on the accompanying sheet of ten sketches, and name an example to illustrate each:

Value 25

- | | | | |
|-----|-----------------------------------|-----|----------------------|
| 1a | Sporangium | 6a | Oogonium |
| b | Zygosporangium | b | Egg |
| Eg. | MUCOR (Brown mould) | c | Antheridium |
| 2a | Sclerotium
Ergotized rye grain | Eg. | VAUCHERIA |
| b | Ascothecia (Stroma) | 7a | Teliospore |
| Eg. | CLAVICEPS (Ergot) | b | Uredospore |
| 3a | Ascospore | Eg. | PUCCINIA (Rust) |
| b | Aseus | 8a | Spore |
| c | Basidiospore | b | Elaters |
| d | Basidium | Eg. | EQUISETUM |
| Eg. | ASCOMYCETE & BASIDIOMYCETE | 9a | Pollen or microspore |
| 4a | Canal cells | b | Wings |
| b | Egg | Eg. | PINE |
| c | Neck cells | 10a | Spiral vessel |
| d | Venter | b | Sieve-tube |
| Eg. | Archegonium (of Moss) | Eg. | ANGIOSPERM |
| 5a | Annulus | | |
| b | Sporangium | | |
| Eg. | ASPIDIUM (Fern) | | |

PLACE THIS PAGE INSIDE YOUR EXAMINATION BOOKLET.

2 1/2 each
example
(1-10)