

BOTANY.—XII.

3 to 5 p. m., Wednesday, 26 June, 1918.

1. Discuss respiration in plants, taking into consideration, among other things, the resting condition and diminished respiration; *Or*, Discuss the conifers.
2. Discuss stems in general, or some special feature of stems in particular (e. g., twining stems, or underground stems).
3. Discuss cell division, growth, and reproduction; *Or*, Discuss peculiar forms of anthers and pollination.
4. Describe a mold (e. g., *mucor mucedo*) or a lichen (e. g., *Physcia stellaris*).
5. Discuss fossil plants, with special reference to coal; *Or*, Give a short account of plant geography.
6. Discuss parasites and saprophytes; *or*, the origin and evolution of the pteridophytes.
7. How do plants protect themselves? Give an answer suitable to your grade; *Or*, Give a list of the *Ranunculaceae* or *Rosaceae* of some locality, indicating the abundant species by an asterisk and the rare ones by a dagger, the others requiring no distinction.
8. Describe work you have done in phenological observations; *Or*, Describe any one of the following plants in such a way as to indicate the family to which it belongs; spring beauty, or blueberry, or pigeon berry, or twin-flower, or strawberry, or dandelion.

LATIN (b)—XII.

9 to 11 a. m., Thursday, 27 June, 1918.

1. Translate: hi constanter omnes nuntiaverunt manus cogi, exercitum in unum locum conduci. tum vero dubitandum non existimavit quin ad eos profisceretur. re frumentaria comparata castra movet diebusque circiter quindecim ad fines Belgarum pervenit.
(a) State and illustrate from extract the rule for the time represented by the present infinitive in the subordinate clause of an indirect assertion. (b) What construction would follow *dubitandum* if the statement was affirmative?
2. Translate: hac re statim Caesar per speculatores cognita, insidias veritus, quod qua de causa discederent nondum perspexerat, exercitum equitatumque castris continuit. prima luce, confirmata re ab exploratoribus, omnem equitatum qui novissimum agmen moraretur praemisit. his Quintum Pedium et Lucium Aurunculeium Cottam legatos praefecit.
(a) Account for cases of *castris* and *his*. (b) Point out in extract an Indirect Question clause, and a Relative Pronoun clause of purposes.
3. Translate: Multae res ad hoc consilium Gallos hortabantur: superiorum dierum Sabini cunctatio, perfugae confirmatio, inopia cibariorum, cui rei parum diligenter ab iis erat provissum, spes Venetici belli, et quod fere libenter homines id, quod volunt, credunt.
Explain distinction between the two genitives limiting *cunctatio*.
4. Translate: Pugnatum est diu atque acriter, cum Sontiates superioribus victoriis freti in sua virtute totius Aquitaniae salutem positam putarent, nostri autem, quid sine imperatore et sine reliquis legionibus adulescentulo duce efficere possent, perspicere cuperent: tandem confecti vulneribus hostes terga vertere.
Account for case of *victoriis* and mood of *vertere*.