

and the interpretation of a chemical analysis, naming the lifeless and living forms usually found in water; also the process of softening water.

5. How would you obtain mean age at death; mean duration of life; probable duration of life. Also, construction of life tables (for statistical purposes).

6. Give the most approved methods by which ventilation is secured in large buildings, *i. e.*, audience halls, theatres, and manufacturing; also the best methods of disposing of the refuse of dwellings, *liquid* and *solid*.

GYNECOLOGY.

1. Dysmenorrhœa — Give the varieties; etiology and treatment of each.

2. Diagnose uterine fibroid from

- (a) Ovarian tumor.
- (b) Pelvic exudate.
- (c) Hematocele.
- (d) Retroflexion of the uterus.

3. Define sterility, and give its causes and treatment.

4. Point out the indications and contra-indications for the use, respectively, of the uterine sound and curette.

5. Describe briefly the various operative procedures that may be resorted to in the treatment of retroflexion of the uterus; also of prolapse.

6. What would lead you to conclude (a) an abdominal tumor was a dermoid? (b) that disease of the cervix was malignant?

OBSTETRICS.

1. Placenta—

Formation, situation, uses.

2. Labor—

[a] Stages.

[b] Character of uterine contractions.

[c] Causes of dilatation of the os uteri.

[d] How is the placenta detached and discharged?

3. Pelvic Presentations—

[a] Causes.

[b] Diagnosis.

Mechanism of labor in U. S. A.

(d) If necessary to apply forceps to the after-coming head in "C.," give directions for applying and the line of traction, and why.

4. How would you treat:

- (a) Apparent death of the new-born?
- (b) Mastitis?
- (c) Phlegmasia Alba Dolens?
- (d) Constipation of pregnancy?

5. Ectopic Gestation—

- (a) Define.
- (b) Etiology.
- (c) Varieties.
- (d) Diagnosis.
- (e) Treatment.

6. Forceps—

- (a) Indications for use.
- (b) Conditions necessary for use.
- (c) Dangers in the use.

7. Thrush—

[a] Describe the condition of the mouth.

[b] What are the causes?

[c] Give the pathological anatomy.

[d] What are the symptoms?

[e] Outline the treatment.