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Assignment.

Write short note on Urinalysis.

A urinalysis is a simple test that looks at a small sample of your urine. It can help find problems that need treatment, including infections or kidney problems. It can also help find serious diseases in the early stages, like kidney disease, diabetes, or liver disease. A urinalysis is also called a URINE TEST.

Urinalysis is done by:

- i. Physical examination
- ii. Microscopic examination
- iii. Chemical analysis.

PHYSICAL EXAMINATION

The urine will be looked at for color and clearness. Blood may make urine look red or the color of tea or cola. An infection may make urine look cloudy. Foamy urine can be a sign of kidney problems. The following may be checked during physical examination:

1. Volume
2. Color
- 3.Appearance.
4. Specific gravity.
5. Osmolarity.
6. PH and Reaction

MICROSCOPIC EXAMINATION

Microscopic examination of centrifuged sediment of urine is useful in determining the renal diseases.

1. Red Blood Cells.
2. White Blood Cells.
- 3 Epithelial Cells.



4 Casts.

5 Crystals.

6 Bacteria.

CHEMICAL ANALYSIS

Chemical analysis of urine helps to determine the presence of abnormal constituents of urine or presence of normal constituents in abnormal quantity. Both the findings reveal the presence of renal abnormality. Following are the common chemical tests of urine:

1. Glucose

2. Protein

3. Ketone Bodies.

4. Bilirubin.

5 Urobilinogen.

6 Bile salts.

7 Blood.

