

2056

B. Voc. (Medical Laboratory Technology) FYUP
Fourth Semester
MLT-403: Introduction to Cytopathology

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Explain the following:-

- a) What are the common sites for FNAC?
- b) What is a Papanicolaou test used for?
- c) What is sample transportation?
- d) What is cytopathology?
- e) What is the basic principle of exfoliative cytology?
- f) What does Maturation index indicate in pregnancy?
- g) What does cervical cytology test for?
- h) Name any two special stains in cytology.

(8x1)

UNIT - I

II. (a) Give brief account of different cytoplasmic constituents.

(b) What are the basic steps of sample collection and transportation?

(2x4)

III. (a) Write the method of preparation of specimen for exfoliation cytology.

(b) What precautions are to be taken for collection of gynaecological samples?

(2x4)

UNIT - II

IV. Discuss various types of staining techniques used in exfoliation studies.

(8)

V. Explain different types of fluid specimens used for cytological analysis and their method of collection.

(8)

UNIT- III

VI. (a) What are the characteristics of benign and malignant cells?

(b) How can premalignant and malignant conditions of uterine cervix be detected? (2x4)

VII. Write a detailed account on Hormonal assessment with cytologic techniques.

(8)

UNIT - IV

VIII. Explain the Principle and Procedure for FNAC.

(8)

IX. Discuss the role of a cytotechnician in FNAC clinics.

(8)

x-x-x

