

2053
B. Voc. (Medical Lab Technology)
Fourth Semester
BMLT-404: Introduction to Cytopathology
(Common with ADMLT)

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

X-X-X

1. Explain the following:-

- a) Which tests are done in cytopathology.
- b) Name the universal stain used in cytological preparation.
- c) Exfoliation cytology
- d) Maturation index
- e) Write full form of FNAC.
- f) Differentiate benign and malignant cells
- g) Barr body
- h) What is the principle of staining? (8x1)

UNIT - I

II. Explain the procedure of specimen collection, transportation and preservation for non-gynaecological samples. (8)

III. Write briefly:

- (a) Cytoplasmic constituents
- (b) Precautions taken during collection of gynaecological samples (4,4)

UNIT - II

- IV. Explain the different types of cytological stains used in cytopathology. (8)
- V. Discuss different staining methods used in cytology. (8)

UNIT - III

- VI. a) Explain cellular morphology of malignant cells.
- b) Write the basis of detection of premalignant lesions. (4,4)

P.T.O.

(2)

- VII. a) Write the method for demonstration of sex chromatin. (4,4)
b) Write the procedure for determining the pregnancy test.

UNIT - IV

- VIII. Explain the principle and procedure for FNAC. Write precautions & utility of this technique. (8)
- IX. Discuss the role of cytotechnician in FNAC clinics. (8)

x-x-x