



## **BRAINWARE UNIVERSITY**

## Term End Examination 2022 Programme – B.Sc.(MLT)-2019/B.Sc.(MLT)-2020 Course Name – Cytopathology Course Code - BMLT502 ( Semester V )

Full Marks : 60 Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## **Group-A**

(Multiple Choice Type Question) 1 x 15=15 1. Choose the correct alternative from the following: (i) Choose the colour Candida albicans stain in PAP stain a) Bluish-green b) Grey green c) Red to pale pink d) Reddish-pink (ii) In Shorr's staining method, non-cornified cells stain a) Red b) Green-blue c) Orange-red d) Blue-black (iii) For fluid cytology, fluid has to be collected in a) EDTA b) Sodium Citrate c) Plain d) None (iv) The guage of needle required for the fine needle aspiration is a) 14/24 G b) 21/24 G c) 21/27 G d) 11/17 G (v) FNAC aspirate is done by

a) Pathologist b) Cardiologist c) Dermatologist d) Gynecologist

(vi) What is polychromatic stain?

a) Stain with multiple dye
b) Stain with 2 dyes
c) Stain with 3 dyes
d) Stain for chromatin

(vii) In Haematoxylin & Eosin Stain, Haematoxylin

a) Stains the nucleus Blue
b) It is an acidic counterstain that stains the cytoplasm of mature keratinized cells
c) It stains the cytoplasm of mature
d)

 c) It stains the cytoplasm of mature squamous cells, nucleoli, Red blood cells, and cilia pink.

none of these

(viii) Purpose of Papanicolaou Stain

a) Detect Glycogen storage diseaseb) Screening of Cervical Cancerc) Detects Glial fibred) All of these

(ix) Which components are better seen in MGG staining?

(x)	a) Cytoplasmic components     c) Nuclei Components     Stain needs Alcohol fixation	b) Bacterial components d) All cellular components	
(xi	<ul><li>a) MGG Stain</li><li>c) Papanicolaou Stain</li><li>) Smear should be prepared and fixed immediate</li></ul>	b) Leishman Stain d) All of these ely for cytology because:	
	<ul><li>a) Exfoliated cells degenerate rapidly</li><li>c) The nuclei of the cells get extruded from the cell</li></ul>	b) Exfoliated cells may be blown away d) Cytoplasm develops granularity	
(xii	i) Direct smear is made from which specimen for		
(xii	<ul><li>a) Cervical specimen</li><li>c) Breast Secretion</li><li>i) Which substance accumulate in the cytoplasm</li></ul>	b) Spinal Fluid d) All of the above of liver cells & appear as fine granules	
(xiv	<ul><li>a) Lipid</li><li>c) Glycogen</li><li>v) Write the basic principle of Papanicolaou staini</li></ul>	b) Secretory granules d) None ng.	
	<ul> <li>a) Acid dye which stains basic components of cells Basic dye which stains acid components of cells</li> <li>c) Acidophilic cells stain red and basophilic cells stain blue-green.</li> <li>d) Choose the cells in which Barr body is observed</li> </ul>	<ul> <li>b) Acid dye which stains acid components of cells</li> <li>d) None of these</li> </ul>	ents of
	a) Superficial c) Intermediate	b) Basal d) Parabasal	
	<b>Grou</b> (Short Answer Ty	-	3 x 5=15
3. \ 4. \ 5. \ 6. \	What is Decalcification? Describe the Electrolyte r Write short note on Schaudinn's fluid What are the causes of peritoneal and pleural effo Which equipments are required for FNAC? Write a note on Alcian Blue stain. Mention its use	usions? s.	(3) (3) (3) (3) (3)
'	What are the causes of peritoneal and pleural effu	usions?	(3)
	<b>Grou</b> (Long Answer Ty	-	5 x 6=30
8. 9. 10. 11.	7. List some of the identifying characteristics of malignant cells 8. Write down briefly on MSG Stain. 9. List some of the identifying characteristics of malignant cells. 10. Describe the preparation of cytosmear. 11. Write short notes on Carnoy's fluid. 12. List some of the identifying characteristics of malignant cells.  OR		(5) (5) (5) (5) (5) (5)
	Write short notes on MSG Stain and discuss it's u		(5)