## BV (3/CBCS)/MLT/MDT-VC-3036

## at 2023 months and

# MEDICAL LABORATORY TECHNICIAN / MEDICAL LAB AND MOLECULAR DIAGNOSTIC TECHNOLOGY

QP: Medical Laboratory Technician

Paper: MLT/MDT-VC-3036

## Szigaiogoulty eryturopaiss?

Full Marks: 60

affected in

Time: 3 hours quitansq

The figures in the margin indicate full marks for the questions

1. Fill in	nethe blanks in edi to senti vias rewen 1×7=7
	is routinely used fixative in histopathology lab.
(b)1	PCV is increased in rock anaemia.
(c)	Iron is stored as in the body.
(d)	Active form of vitamin B <sub>12</sub> is
(e)	Paraffin wax is used as in the histopathology lab.

- The full form of RDW is
- (g) \_\_\_\_ are increased in acute bacterial
- 2. Answer the following questions:

2×4=8

- (a) What do you mean by anisocytosis and poikilocytosis? Give example.
- (b) What is compensatory erythropoiesis?
- (c) Which blood cells are affected in
- (d) What are the characteristics of ideal fixative?
- 3. Answer any three of the following questions:

del verle decreated 5×3=15

- (a) Write about the pathophysiologic classification of anaemia.
- (b) Write a note on iron absorption.

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(c) List out the tests for increased red cell destruction and increased red cell production.

(Continued)

Write a note on grossing. (d)

B

Write a note on the functions of (e)

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Answer the following questions: 10×3=30

Write a note on the formation of haemoglobin. How will you explain about the pathologic variation of WBC?

### OR

Write down the clinical significance of iron deficiency anaemia. How will you investigate iron deficiency anaemia in the laboratory?

4+6

Write about the biochemical basis of (b) megaloblastic anaemia. Explain briefly about vitamin B<sub>12</sub> and Folic acid 4+6 metabolism.

#### OR

Write down the basic principle behind tissue processing. Explain various steps along with chemicals involved. 4+6 (c) Which type of anaemia has defects in their globin chain? Explain briefly.

(e) Write a note on incommentions of plateiets.

10

What are formed elements? Explain in detail about reticulocyte count.

as Write a note on the formation of hacenophology, will you explain about the pathologic variation of WBC?

iron deficiency appendix flow will you investigate iron deficiency appendix flow will you investigate iron deficiency anacqua in the laboratory?

17-12

(b) Write should the biochemical basis of need to the basis of the state and the basis of the state and the sold sold to the s

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