

### **SECTION-A**

Note: Multiple choice questions. All questions are compulsory. (10x1=10)

**Q.1** LIMS is used to ensure

- a) Storage of quality control data
- b) Track reagents
- c) Improve lab efficiency
- d) All of these

**Q.2** The reagent used to treat acid burn in laboratory are:-

- a) 5% sodium hydroxide
- b) 5% sodium chloride
- c) 5% sodium carbonate
- d) None of these

**Q.3** The accreditation body for clinical laboratories is

- a) NBA
- b) NAAC
- c) NABL
- d) None of these

**Q.4** Widal test is used to detect

- A) Malaria
- b) Dengue
- c) Typhoid
- d) None of these

**Q.5** According to BMW disposal rules which coloured container is used to dispose solid wastes.

- a) Red
- b) Yellow
- c) Blue
- d) Black

**Q.6** The other than used for medical negligence is

- a) CPA
- b) Autonomous
- c) Tort
- d) None of these

**Q.7** Which substance is used to remove biological spillage?

- a) Acids
- b) Antiseptics
- c) Antibiotics
- d) Bases

**Q.8** The various factors in which QAS can be grouped are

- a) Pre analytical
- b) Analytical
- c) Post analytical
- d) All of these

**Q.9** Natural anticoagulant present in blood are:-

- a) EDTA
- b) Oxalate
- c) Citrate
- d) Heparin

**Q.10** The significance of motivation is that ensures

- a) High efficiency
- b) Success of lab
- c) Better Image
- d) All of these

### **SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

**Q.11** PCV stands for \_\_\_\_\_.

**Q.12** Binocular microscope contains \_\_\_\_\_ eye pieces.

- Q.13 \_\_\_\_\_ causes malaria.
- Q.14 Life span of platelets is \_\_\_\_\_.
- Q.15 QA stands for \_\_\_\_\_.
- Q.16 Cytology is the study of \_\_\_\_\_.
- Q.17 Blood bank is also known as \_\_\_\_\_.
- Q.18 S.D. Stands for \_\_\_\_\_.
- Q.19 The instrument used for determining the PH of a solution is \_\_\_\_\_.
- Q.20 Normal range of R.B.C is \_\_\_\_\_.

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What are inter-personal relations?
- Q.22 What is the significance of Accreditation of Labs
- Q.23 List safety precautions taken in haematology laboratory.
- Q.24 Explain anxiety.
- Q.25 What is the importance of care and maintenance of laboratory equipments?
- Q.26 Explain internal and external quality control.
- Q.27 Explain the steps of stress management.
- Q.28 Define standard deviation and explain it's formula.
- Q.29 Explain the role of Medical Lab Technology in health care.
- Q.30 Write a note on first aid box in laboratory.
- Q.31 Define phlebotomist and explain his duties.

- Q.32 What is biological waste and explain it's disposal.
- Q.33 Define daily inventory and work bench inventory.
- Q.34 Define leader. Explain the qualities of good leader.
- Q.35 What is quality assurance? What are it's types.

### SECTION-D

**Note:** Long Answer type question. Attempt any two questions. (2x10=20)

- Q.36 Draw a layout of a hospital laboratory.
- Q.37 What is the role of Medical Lab Technology in total health care?
- Q.38 Explain the role of computers in Medical Laboratory.