



BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, PROMOTED BY GOVERNMENT OF INDIA
CENTRAL BOARD OF EXAMINATIONS
BSS NATIONAL VOCATIONAL EDUCATION MISSION

AHE002-MEDICAL LABORATORY TECHNICIAN

ONE YEAR EXAMINATION NOV-2015

AHE002-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 questions are there in total
- * Write answers to each question in proportion to the mark allotted
- * During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS

1 x 10 = 10

- 1) It is goodhealth.
- 2) The cat is the wall.
- 3) Write to the abbreviation PIN.
- 4) You Loved me.
- 5) Word pad is an
- 6) You can enlarge a document using
- 7) is a folder, stores the deleted files
- 8) Notes and commands can be related to the.....
- 9) Ctrl+X is used to
- 10) She is B.sc graduate

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Define adjectives?
- 2) Define abstract noun?
- 3) What is meant by neuter Gender?
- 4) Subordinate clauses
- 5) Memory unit
- 6) Enter
- 7) Chart elements
- 8) Noun phrase
- 9) Conjunction
- 10) Walking areas of computer?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS**5 x 5 = 25**

- 1) Write any two types of job application?
- 2) Explain telephone etiquette?
- 3) Write how to prepare bio-data for interview
- 4) Windows 98
- 5) Explain any five functions in MS Excel
- 6) Custom filter
- 7) Symbols and pictures
- 8) Different software and hardware

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS**15 x 3 = 45**

- 1) Explain briefly the job descriptions
- 2) Describe MS Windows
- 3) Briefly explain storage unit
- 4) Functions of Word Processing?
- 5) Describe status bar



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AHE002-02 CLINICAL BIO CHEMISTRY

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 questions are there in total
- * Write answers to each question in proportion to the mark allotted
- * During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS

1 x 10 = 10

- 1) Blood pigment present in the urine is known as.....
- 2) Normal value of blood sugar is.....
- 3) The molecular weight of sodium chloride is-----
- 4) -----chemical used for by true sugar method.
- 5) Blood consists of water -----(%)
- 6) Blood for tests should be collected when patient is on fast for
- 7) Glucose present in the blood is used by body tissue for
- 8) is the re agent used for the estimation of glucose
- 9) Urea, a compound formed in the body in liver
- 10) Normal value of serum cholestrol is

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Present solution
- 2) Incubator
- 3) Colorimetry
- 4) BSP
- 5) What is Chemical used for urea?
- 6) What are Enelotoxines?
- 7) Pipettes
- 8) Saturated solution
- 9) What is Spirochetes and its types?
- 10) What shape of bacteria?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS**5 x 5 = 25**

- 1) Preparation of patients for GTT
- 2) Write notes on morphology character of streptococci?
- 3) Write Briefly on malarial parasites?
- 4) What is Analytical balance and it used & care?
- 5) Preparation of glass cleaning solution
- 6) Preparation of subnormal solution
- 7) What is Gross Examination of urine?
- 8) Write any 6 elements in symbol, valence and Atomic weight?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS**15 x 3 = 45**

- 1) Write method of Folin-wu in sugar analysis?
- 2) Write on essay of Intestinal Bacteria?
- 3) What is Sterilization and disinfection?
- 4) Explain about glasswares used in Lab?
- 5) Explain about estimation of serum alkaline phosphate



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ONE YEAR EXAMINATION NOV-2015

AHE002-03 CLINICAL MICRO BIOLOGY & PARASITOLOGY

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 questions are there in total
- * Write answers to each question in proportion to the mark allotted
- * During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS

1 x 10 = 10

- 1) In.....disease blood sample must be collected midnight
- 2) Mycology is the scientific study of.....
- 3) The causative organism of cholera is.....
- 4) By drinking water containing bacteria it transmits.....
- 5) Complement fixation is.....
- 6) Widal test is used for the diagnosis of
- 7) Botulism caused by disease in.....
- 8) Tubercle bacilli is an example of
- 9) Another name of pin worm is
- 10) Bacteria are

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Bacteriology
- 2) Specimen
- 3) Pasteurization
- 4) Methylene blue
- 5) Aerobes
- 6) What is sterilization?
- 7) What is agglutinations process?
- 8) What is Thermophilic bacteria?
- 9) What is Spirochetes and its types?
- 10) What is compliment fix action?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS**5 x 5 = 25**

- 1) Transmission of bacteria
- 2) Hanging drop preparation
- 3) Oxidase test
- 4) Write Briefly on malarial parasites?
- 5) What is Analytical balance and its use & care?
- 6) Write Briefly on microscope?
- 7) Write principle and its uses of Hot air oven?
- 8) Loeffler serum slope

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS**15 x 3 = 45**

- 1) Describe the morphology of bacteria with pictures
- 2) Write Isolation and identification of staphylococci?
- 3) Write Examination of stool for parasites:
- 4) What is Sterilization and disinfection?
- 5) Explain about stool sample examination



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ONE YEAR EXAMINATION NOV-2015

AHE002-04 HAEMATOLOGY, BLOOD BANKING & HISTO PATHOLOGY

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 questions are there in total
- * Write answers to each question in proportion to the mark allotted
- * During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS

1 x 10 = 10

- 1) Globulin isfactor in plasma
- 2) Prothrombin and fibrinogen are bloodfactors
- 3) The Rh is taken from.....
- 4) Formic acid sodium citrate solution is used for.....
- 5) Heparin acts by inhibiting-----
- 6) Rapid ESR is found in -----
- 7) The calculation of RBC -----
- 8) Normal value of clot retraction is in 1 hour
- 9) After fixation tissue is dehydrated by
- 10) Zenker fluid is a

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Haematology
- 2) Donor
- 3) Blood group
- 4) What is Rh factor?
- 5) What is an anticoagulants?
- 6) Embedding of Biopsy
- 7) Plasma
- 8) Thrombocytes
- 9) Requirements for total blood cell count
- 10) Reticulocyte count

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS**5 x 5 = 25**

- 1) Platelet count
- 2) Designing of blood bank
- 3) Processing of tissue specimen
- 4) Neubauer chamber slide
- 5) Write clinical symptoms of malaria parasites?
- 6) Types of blood transfusion reactions
- 7) The method of ABO blood grouping
- 8) PCV

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS**15 x 3 = 45**

- 1) Describe Sahli's acid haematin method
- 2) Explain the Winrobes method of ESR with diagram
- 3) Describe the fixation procedure in histopathology lab
- 4) Write reorganization of cycling process Blood parasites of malaria?
- 5) Explain the process of biopsy examination