CENTRAL BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, ESTABLISHED IN 1952 BY PLANNING COMMISSION, GOVT. OF INDIA

CENTRAL BOARD OF EXAMINATIONS

BSS NATIONAL VOCATIONAL EDUCATION MISSION

AHE002-MEDICAL LABORATORY TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE002-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 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 - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) Consonants are _____ in number

2) He travelled _____ Ticket.

3) The 2nd hard disk of P.C. is called _____

4) I read _____ Indian express

5) Use _____ to change the settings, both hardware and softw

6) _____ is a copy of the files on the computer typically it is stored o harddisk.(backup)

7) Computer viruses is atype of _____ programme(Software)

8) _____ are where the text is typed

9) In MS Word print is in _____ menu

10) Paint has a _____ box

11) In Windows _____ function key used to get help

12) Corel draw is based on _____ graphics.

13) She is _____ B.sc graduate

14) _____ and _____ sauces used in pasta

15) Mr.ram is _____ teacher

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Define Gender?
2) Define the formation of Adjectives?
3) Define interrogative Adverbs?
4) Define abstract noun?
5) Define collective noun?
6) Define kinds of countable Nouns?
7) What is meant by weak verbs?
8) Word screen
9) Save
10) Language
11) Adjectives
12) Decimal
13) Clause
14) What is colour?
15) Define Proper Noun

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

1) Explain few sentences using "am, is, are"?
2) Write how to prepare bio-data for intervious
3) Explain types of computer
4) Work area
5) What are the difference between i. COPY, Xcopy, Diskcopy and Move.
6) Explain 'find', 'replace' and 'go to'.
7) Print preview
8) What is sentence? Define its classification

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

1) Write a letter to your father asking permission join the N.C.C?
2) Explain briefly the job descriptions
3) Describe status bar
4) Draw the block diagram of basic computer organisation and explain?
5) Explain in detail about MS Word?

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AHE002-MEDICAL LABORATORY TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE002-02 CLINICAL BIO CHEMISTRY

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 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 - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) The condition in which pus appears in urine _____

2) Enzymes are _____

3) Gravindex test is used for _____

4) Colour of Benedict solution is _____

5) The glucose found in urine is known as _____

6) Normal level of bile pigments in urine is _____

7) Urea reacts with _____

8) _____ chemical used for by true sugar method.

9) Blood consists of water _____ (%)

10) u is _____

11) Normal fasting value of GTT is _____

12) In albumin estimation, BCG method the reagent used is _____

13) Letric index measures the _____

14) Albumin globulins and fiburinogen are three types of _____ in _____

15) Incubater maintain temperature between _____ to _____

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Colorimeter
2) Molecules
3) Isotonic Saline
4) What is Principle of SGOT?
5) What is Chemical used for urea?
6) What is specific gravity of Urine?
7) What are elements?
8) Wavelength
9) What is laboratory diagnosis of vibrio?
10) What is Thermophilic bacteria?
11) What one type of media?
12) Define Hyperbilirubinemia?
13) Mention the bile pigments?
14) Define common balance?
15) Define mole?

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

1) Preparation of patients for GTT
2) CSF collection
3) DAM method
4) Write Briefly on malarial parasites?
5) Preparation of glass cleaning solution
6) Write short notes on Glucose Tolerances Test?
7) Centifuge?
8) Modified lefflers method?

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

1) Explain Ferricyanide method
2) Describe the BCG method of Albumin estimation
3) Explain glucose tolerance test with the help of graph
4) WRITE about classification of auto analyser? Explain it briefly?
5) Indicators? Explain the methods of indicators?

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AHE002-MEDICAL LABORATORY TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE002-03 CLINICAL MICRO BIOLOGY & PARASITOLOGY

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 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 - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) In _____ disease blood sample must be collected midnight

2) Mycology is the scientific study of _____

3) By drinking water containing bacteria it transmits _____

4) Bacteria are classified by their _____

5) Treponema is a _____

6) Most vegitative bacteria can be killed in the temperature at _____

7) Widal test is used for the diagnosis of _____

8) The shape at corney bacteria _____

9) Actinomycetes are _____

10) Most vegitative bacteria can be killed in the temperature at _____

11) Widal test is used for the diagnosis of _____

12) Coomb's test is divised by _____

13) _____ bacteria is seen in pairs

14) _____ is called the father of microbiology

15) Pasteurization is the _____ method of sterilization

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Bacilli
2) Methylene blue
3) Hook worms
4) VDRL
5) What is Mycoplasma?
6) What are Enelotoxines?
7) What is Aerobic bacteria?
8) What is agglutinations process?
9) What is Thermophilic bacteria?
10) What is Spirochetes and its types?
11) What is compliment fix action?
12) Define microbiology?
13) Blood agar?
14) Give eg for intestinal parasites?
15) Write four eg bacteria?

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

1) Oxidase test
2) Write Isolation and identification of staphylococci?
3) Alber staining
4) Loeffler serum slope
5) Blood parasites
6) Life cycle of E Histolytical
7) Anatomical structure of bacteria?
8) Microscope?

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

1) Explain the methods of blood sugar by Folin- Wu method
2) Describe about malarial parasites
3) Explain about stool sample examination
4) Classification of Micro-organism?
5) consentration methods?

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ONE YEAR EXAMINATION NOVEMBER-2025

AHE002-04 HAEMATOLOGY,BLOOD BANKING & HISTOPATHOLOGY

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 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 - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) The blood remains in _____ continuously

2) Formalin 10% is used as fixture in _____ lab

3) Haparin acts by inhibiting _____

4) The pulse rate required to a blood donor is _____

5) Albumin is _____ soluble

6) Normal range of Haemoglobin in children of 3 to 6 years is _____

7) _____ blood group is called 'universal donor'

8) _____ antinuclear antibody

9) _____ mean by fecal smears for eosinophils

10) What is mean by _____ leukocyte alkaline phosphotose

11) What is mean by cyunocobalamin _____

12) What is means by _____ helicobacter phloriserology test

13) What is _____ HIV1-HIV2serology

14) What is mean by protein electrophoresis in urine _____

15) _____ measles antibody test

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Haematology
2) Donor
3) Blood transfusion
4) What is Schizogony?
5) What is Plasma factor?
6) Recticulocyte count
7) What is mean by normal value of IGO
8) What is mea by hormone cortical
9) What is mean by microbiology
10) What is mean by U/L
11) What is mean by triglycerides explain the (N, V in men & women)
12) Define brief about coenuruses
13) Define brief about dioctophymiasis
14) Define metagonimiasis
15) Define barilla infection

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

1) Platelet count
2) Examination of urine
3) Write short notes on Eosinophil count?
4) Write short notes on various anticoagulants?
5) Write procedure chemical requirement and results in differential count?
6) Fixation of specimen
7) The process of tissue specimen
8) Write principle chemical requirement procedure and result in Leukocyte count?

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

1) Explain the selection of blood donors to blood bank
2) Write reorganization of cycling process Blood parasites of malaria?
3) Explain the brief about TB skin test
4) Explain the brief viruses and conciseness
5) Explain brief cardiac profile normal value