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

AHS025-BSS DIPLOMA IN C.S.S.D TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHS025-02 ANATOMY & PHYSIOLOGY

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) _____, _____ and _____ are the covering of the brain

2) Hormone is defined as the secretion of _____

3) Osteology is study of _____.

4) Spancholgy is knowledge of _____.

5) The semen generally consists about _____ millions spermatozoa.

6) Histology means _____

7) Inner most bone of the forearm is _____

8) _____ is known as collar bone.

9) FSH is secreted by _____ gland.

10) _____ is the largest abdominal organ.

11) In an adult age weight of heart is about _____ grams.

12) Loop of henley present in the _____.

13) Decrease in the number of white blood cells is _____

14) Breasts lie on the _____ muscles.

15) _____ & _____ hormones screts from ovary.

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

1) Explain Pituitary gland.
2) What is the main arteries of the upper limb?
3) Short note on tounge.
4) Vitreous humour?
5) Define myopathy?
6) Composition of Urine?
7) What is residual volume?
8) Define respirators and their functions?
9) What are the factors affecting blood pressures?
10) What is Pulse?
11) Write a short note on Haemoglobine?
12) Write down functions of blood?
13) Define glands?
14) What is bone?
15) What is cell?

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

1) Explain Sutures and fontanels of the skull.
2) Briefly Menstrual cycle.
3) Briefly write Lachrymal glands?
4) Write down the classification of bones.
5) Describe blood group briefly.
6) What is Lymph and write down the functions of Lymhatic system?
7) Write down mechanism of hearing.
8) What are the fat soluable vitamines? Write deseases occurred by defficiency fat soluable vitamines?

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

1) Circulation of blood in human body. Draw the diagram of circulatory system
2) Explain the cranial nerves. Draw diagram of an axon and mark its parts?
3) Write positions, parts, structure and secretions of pancreas briefly.
4) Define urinary system and describe position, structure and functions of kidney.
5) Describe briefly on large intestine and its functions.

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AHS025-BSS DIPLOMA IN C.S.S.D TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHS025-03 DEPARTMENTAL ORGANISATION & BASIC QUALITY PROCEDURES

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) LTSF is _____.

2) SAL is _____.

3) _____ is the holding time in 134 c and 2 bar pressuresteam sterilization cycle.

4) Pressure of packaging area is _____.

5) _____ biological indicator is used for plasma method of sterilization.

6) Chemical indicators are _____ m types.

7) Expiry of an item is _____.

8) PPE is _____.

9) A color blindness people will work in _____ area of CSSD.

10) MSDS is _____.

11) SUD is _____.

12) Free from micro organism is _____.

13) Micro organism capable of causing infection is known as _____.

14) TSSU is _____.

15) In India CSSD was established in the year of _____.

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

1) Define certification.
2) Define career ladder.
3) Write down the job description of CSSD supervisor.
4) What are the purpose of CSSD.
5) Describe the layout of central service department.
6) Performance qualification.
7) What should be the good quality of water used for cleaning?
8) What is the good quality of steam?
9) what is the packaging check criterion?
10) Why do sterilization process require validation
11) Nosocomial
12) Standard precautions
13) possitive air pressure
14) Negative air pressure
15) Define accreditation in healthcare organization.

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

1) What are the basic principle in processing the medical device?
2) How sterile pack should be stored?
3) How to handle sero +ve instruments in central service department?
4) Write the processing cycle of central service department.
5) Write down the departmental hierachy chart of CSSD.
6) Safety practices
7) Legal responsibilities
8) Ethics

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

1) How infection control practices done in central service department.
2) How the sterilization process monitored and evaluated?
3) What is valiodation? Write down the validation procedure?
4) What are the risk of infection in central service department?

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AHS025-BSS DIPLOMA IN C.S.S.D TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHS025-04 BASIC MICROBIOLOGY & INFECTION CONTROL PROCEDURES

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) _____ % of alcohol present in handrub.

2) The time of contact of the alcohol for skin anti sepsis is _____.

3) Steps of hand hygiene _____.

4) After taking out PPE should hand be washed _____ (yes/ no)

5) When should the waste bin be discarded _____.

6) The common method of avoiding NSI is _____.

7) Major spill is _____ solution.

8) Minor spill is _____ solution.

9) _____ is used to clean major spill.

10) _____ is used to clean minor spill.

11) IV catheter and tubings are discarded in _____ color code container.

12) Body parts & microbiology waste discarded in _____ color code container.

13) The living matter of a cell between the cell membrane and the nucleus is _____.

14) Animal and most bacteria cells do not contain _____.

15) Staphylococcus is _____ shaped bacteria.

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

1) Name the organism used in BI for steam & ETO Sterilization.
2) Differnce between aerobic and aracrobic bacteria.
3) Write down two examples of rod shaped bacteria.
4) What is Protozoa?
5) Herses simply virus.
6) Write down the two example of gram + ve bacilli and gram - ve cocci.
7) Write down the shapes of cocci, bucilli, cocobacilli and spirochates.
8) Define Fungi
9) Define Bacteria
10) Care of CAUTI bundle.
11) What is the standard precautions?
12) Define Cell membrane.
13) Define spores.
14) Binary fission
15) Incubation period

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

1) What is Blood?
2) Explain RBC.
3) Brifely Explain care of mattress
4) Write down the brief history of chain of infectioon.
5) Write common ways to identify and classify micro organusm by the need for oxygen.
6) Write down the basic procedures to control and kill micro organism.
7) Describe nucleus.
8) Differnce between cell wall and cyto plasma.

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

1) Write about duties of CSSD technician.
2) Write about blood bank.
3) Write down different phases of bacterial growth curve.
4) Write down morphology and culture charecterstics of bacteria.
5) Distinguish features of exotoxins and endotoxins.

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AHS025-BSS DIPLOMA IN C.S.S.D TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHS025-05 INSPECTION, ASSEMBLY & PACKAGING

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) TSSU means _____

2) The best dis infection procedure is the use of heat either in the form of steam or hot water in between _____ and _____ temperature.

3) PPE means _____.

4) Protien coagulate at _____ temperature.

5) FDH classified sterilization packaging as a _____ medical device.

6) SMS stands for _____

7) Linen should have thread count of minimum _____

8) _____ is used for load Control.

9) Perfect sterilization guarenty perfect functioning of _____

10) Pack control detect whether quality sterilant has _____ the inside the pack.

11) _____ type of surgical instruments clesned in ultrasonic machine.

12) The purpose of packaging materials must include _____.

13) Chemical indicator for steam sterilization must be packed _____

14) Bio burden means _____.

15) cssd STANDS FOR _____.

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

1) What is super heating?
2) Reas of demarcation of CSSD.
3) Write lay out and work flow of CSSD.
4) Short note on inspection.
5) What is rinsing?
6) Write down 2 charecterstics of peel pouches.
7) Write down 2 charecterstics of paper plastic.
8) Write down 4 points of importance of linen wrappers.
9) What is flat wrappers?
10) Write down the packaging material.
11) Define types of packaging?
12) What is cleaning?
13) What is rigid container system?
14) What is Muslin?
15) What is packaging materials for Dry heat sterilization?

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

1) Write down wrapping technique of wrapping paper.
2) Write down 5 points defining general packaging procedures.
3) What is dressing and write its standards?
4) Re usable rigid container.
5) What are the standards for linen wrappers.
6) Washer disinfector cleaning method.
7) Write down the steps of mannual cleaning.
8) Write the cleaning procedure of an instrument pack.

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

1) Explain the basic objectives of packaging process and review basic selection factors for materials to be used with alternative sterilization methods.
2) Review general packaging and inspection requirements for rigid and semi rigid endospores and laprascopic instruments.
3) Provide an ovrview of re usable packaging materials.
4) Provide an overview of dispossable packaging materials.
5) Describe basic package closure methods.

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ONE YEAR EXAMINATION NOVEMBER-2025

AHS025-06 STERILIZATION

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) Sterilization is absence of _____.

2) Sterilization is aprocess that require _____ and _____.

3) The first link in the infection control begins in the _____.

4) _____ and _____ are high temperature sterilization.

5) Low temperature sterilizations are _____ and _____.

6) good quality steam require _____ and _____

7) _____ steam is the most efficient form of heating.

8) Super heated steam is _____ staem.

9) Super saturated steam is _____ steam.

10) Steam and air do not _____

11) _____ type of steam sterilizers will fill chamber from top to downward and air is displaced by the steam.

12) Removal of air is critical in _____ sterilizer.

13) _____ type of steam sterilizers has penetration of air removal and steam entry phases.

14) _____ type of steam sterilizers remove air by vacuum pump and steam entry phases.

15) _____ indicator will show spores were actually killed.

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

1) Write down four example of low temperature sterilization.
2) What is Recall Procedure?
3) What is BI?
4) Validation
5) What is Bio burden?
6) What is Ozone?
7) Peracetic acid
8) Show the temperature, pressure and holding time relationship in between 121 C & 134 C.
9) Bowie & Dick test
10) Class- 5 icndicator
11) What are the two pathogens present in steam and ETO BI test strip.
12) Write down the flow chart of functional flow of CSSD.
13) Dis infection
14) Sterilization
15) Ethylene glycol

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

1) Difference between Sterilization and Disinfection.
2) What is spaulding classification.
3) How to handle sero +ve instruments as per CSSD protocol.
4) What are the causes of wet pack after sterilization, write briefely?
5) Write short note on table top sterilizer.
6) Write down methods of heat transfer associated with high temperature sterilization.
7) Show alkylation process diagramatically.
8) Write down different types of chemical indicator.

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

1) Write down the advantages and dis advantages of dry heat sterilization.
2) Brief note on fogging.
3) What is plasma method of sterilization and write down its process?
4) ETO sterilization process, phases and cycle procedure.
5) What is sterilization and describe steam sterilization and phases briefly?