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

AHE011-EYE TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE011-01 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) Pronouns are used instead of _____

2) _____ Lotus is lovely flowers

3) Suresh is sitting _____ Ram and Gopal.

4) He is _____ the room.

5) website is group of _____

6) I read _____ Indian express

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

8) She ran _____ the road

9) Computer is an electronic _____

10) Notes and commands can be related to the _____

11) Ctrl+X is used to _____

12) ALU stands for _____

13) The speed of computer is measured in _____

14) Shortcut key for paste is _____

15) Mr.ram is _____ teacher

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

1) Define Gender?
2) Define adjectives?
3) Define vowels?
4) What is meant by plural number? Example:-
5) Subordinate clauses
6) Digital computer
7) Spin box
8) Explain windows explorer
9) Noun phrase
10) Save use
11) Subordinate clause
12) Icons
13) Write short notes on 'macro'
14) Write about characteritics of computer?
15) Define keyboard?

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

1) Explain few sentences using "should would"?
2) Formal menu
3) Edit
4) Explain any five functions in MS Excel
5) Briefly explain the table menu in MS Excel
6) Calculator
7) Use of 'has' and 'have' in sentences
8) Explain Informal letter

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

1) Write what in complex sentence
2) Explain Internet, Intranet, search engine and Website?
3) What are the advantages available in MS-WORD?
4) Explain the keyboard
5) Describe MS Windows

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AHE011-EYE TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE011-02 ANATOMY & PHYSIOLOGY OF EYE

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 oily layer of Tear film is derived from

2) The A-P diameter of eyeball is:

3) Movement of eyeball around vertical axis is:

4) Visible spectrum extends from _____

5) The normal intraocular pressure in Schiotz is _____ mm Hg.

6) Hypermetropia causes _____ squint

7) In compound hypermetropic astigmatism both focal points are _____ of retina

8) Retinoscopy is done in dark room at a distance of _____ m

9) Drug of choice for papillary dilation in children is _____

10) Accomodation is maximum in _____

11) Cornea is thin in _____ disease

12) Ciliary body has two parts namely _____ and _____

13) _____ is removing the eye by cutting the optic nerve

14) The 3 parts of lens are Lens capsule, _____ and _____

15) Optic Nerve extends from Lamina cribrosa to _____

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

1) Name the Endocrine glands.
2) What is crystalline Lens?
3) Aqueous Humor contains what?
4) What is anterior chamber?
5) What is the refractive index of cornea?
6) What is Keratometer?
7) What is Glaucoma?
8) What is Myopia
9) What is a concave lens?
10) What type of movement occurs in convex lens
11) What is the most common drug used for Mydriasis?
12) What is Pterygium?
13) What is Hypoxia?
14) How is the pupil look like in shape in dark?
15) What are dilatory drops?

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

1) What is the function of Optic Nerve?
2) What are Rod, Cones and Gangalion cells responsible for?
3) What is the refractive index. How does it differ in various medium.?
4) What is Hypermetropia and its different types
5) What is WITH MOVEMENT and AGAINST MOVEMENT?
6) What is Mydriasis and how is it helpful?
7) What is Cataract. Explain atleast two types?
8) What isUveal Tract and its functions?

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

1) Draw a section of eyelid & mark the parts.
2) What is the function of Eye lids and explain the different muscles and its functions?
3) What are Rod, Cones and Gangalion cells responsible for by drawing a diagram?
4) What is Crystalline lens and its parts and functions. Draw Diagram?
5) What Pinguecula and Pterygium? Draw the figures and explain

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AHE011-EYE TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

AHE011-03 PHARMACOLOGY & MICROBIOLOGY

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) Mycobacterium Tuberculosis is :

2) Loss of appetite is called _____

3) Dehydration means _____

4) Inflammation of the joints is called _____

5) _____ is a system of family centered care to the dying clients

6) Lack of sleep is called _____

7) _____ is the infrequent and painful passage of dry hard stool.

8) Chicken box is incubation period _____

9) Blood present in the urine is called _____

10) _____ is the heat regulatory centre in the brain

11) The rise to body temperature above _____ is called _____

12) A system of family centered care to the dying clients _____

13) Non - Inflammatory desquamation of the scalp with itching is _____

14) Pharm logical name for overran is _____

15) An eye irrigation is the washing of the _____ by a _____ of liquid.

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

1) Define inhalation
2) Define minimum dose
3) Mention the routes of Drug administration
4) Infection
5) Antidote
6) Colonic irrigation
7) Sources and mode of spread of Hospital infection
8) Classification of mattress
9) Professional nurse
10) Define supine position and uses
11) Define hot application.
12) Define Intra peritoneal injection?
13) Methods of Ryle's tube feeding?
14) Virus.
15) Define Sterlization

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

1) Classification of drugs
2) Four common sites where pulse can be felt.
3) Retention of Urine
4) Communication
5) Main arteries of upper limbs
6) Acid and bases
7) Write the articles for giving intravenous injection?
8) Hair care?

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

1) Describe artificial respiration?
2) Describe the Enema? and Explain the procedure of soap and water Enema
3) The different methods of physical examination
4) Explain the small box
5) Nursing is a profession Explain

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ONE YEAR EXAMINATION NOVEMBER-2025

AHE011-05 CLINICAL OPTHALMOLOGY-EYE DISEASES

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
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* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) About a third of people with migraine have associated _____ disturbances

2) _____ injuries are more likely to cause catract

3) _____ is the main cause of bilateral proptosis

4) The spread of tumour cells is called _____

5) _____ is one of the causes of contract in children

6) Obvious squint is also termed as _____

7) The maximum increase in refractive eroors occurs in between _____ years of age

8) The concept of held _____ provide eye care service at the village level

9) _____ is a progressive disease which not treatable

10) The programme vision 2020 ensures _____

11) The white portion of the eye is called _____

12) The largest letter in the first row can be read at a distance of _____ m

13) A redding of _____ indicates normal vision

14) Myopia can be corrected by _____ lens

15) _____ types of refractive surgery offers rapid recovery

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

1) AIDS
2) Photophobia
3) Malignant tumours
4) Dark adaptation
5) Fusion
6) Retinal detachment
7) Visual acuity testing
8) Laser photocoagulation
9) Abnormality in the size of eye ball
10) Abnormality in the curvature of the cornea
11) Astigmatism
12) Nuclear cataracts
13) OAG
14) ACG
15) Visual field test

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

1) Retinoblstoma
2) Posterior subcapsular catract
3) Gonioscopy
4) Opthalmoscopy
5) Dilated eye examination
6) Cortical calructs
7) Psoterior sub capsular catracts
8) Types of Glaucoma

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

1) Describe about secondary tumours
2) Explain about fluorescein angiography
3) Describe the management of eye injuries
4) Explain the important causes of catract
5) Explain about pediatric glaucoma