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

AHE019-CERTIFICATE IN OPHTHALMIC ASSISTANT

ONE YEAR EXAMINATION NOVEMBER-2025

AHE019-01 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) I am going _____ library

2) He came _____ me.

3) He travelled _____ Ticket.

4) The cat is _____ the wall.

5) It is cold today _____

6) Call out _____

7) firm ware is known as _____

8) In MS Word print is in _____ menu

9) Key board shortcut for undo command is _____

10) In C++ the error contents are based on _____

11) _____ was the first web browser

12) Keyboard shortcut for UNDO command is _____

13) _____ key I also used for checking spellings.

14) That is _____ Parrot.

15) Have mercy _____ the poor

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

1) Define Gender?
2) Define adjectives?
3) Define adverbs of degrees?
4) Hardware
5) Storage device
6) Prefixes
7) Link language
8) Explain any five functions in MS Excel
9) Briefly explain the table menu in MS Excel
10) Define Oar
11) Define Proper Noun
12) Define Subject
13) Define Vowel
14) Define keyboard?
15) Explain Cut, Copy, Paste

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

1) Explain few sentences using "shall, will"?
2) Explain Arithmetic logic unit
3) Icons
4) Time sharing
5) Use of 'has' and 'have' in sentences
6) What is sentence? Define its classification
7) Define HTML
8) Explain table menu in MS Excel?

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

1) Explain about Keratoplsty
2) Explain a computer and draw a block diagram
3) Explain about MS Excel application
4) How to create a new folder
5) Write about Parts of speech?

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ONE YEAR EXAMINATION NOVEMBER-2025

AHE019-02 OPTHALMOLOGY

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) Radius of curvature of the anterior surface of cornea is _____

2) Astigmatism is corrected by _____

3) The average diameter of cornea is _____

4) The white portion of the eye is called _____

5) The outer part of eye ball called _____

6) _____ is the refractive state of the eye where in parallel rays of light coming from infinity are focused behind the retina with accommodation being at rest.

7) _____ is an acute supparative information of the gland of the zies or moll.

8) Three basic parts of slit lamp are Observation system, _____ system and mechanical system

9) _____ filter and red-free filter are common filters in Slit Lamp.

10) There are _____ types of illumination in slit lamp.

11) _____ refers to the measurement of corneal thickness.

12) Lensometer is used to measure _____ of the lens

13) A Diamond needle is used to _____ the lens.

14) A Trial Frame consists of _____ compartments.

15) In most lens trays, red coloured lenses indicate _____ power

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

1) Retinascope?
2) What are the treatment indications of convex lenses
3) What do you mean by Accommodation
4) Conjuctivitis
5) Glaucoma
6) What is accommodation
7) Write brief note about cycloplegic drugs
8) Describe laws of refraction and reflection
9) How should you carry Slit Lamp examination?
10) How many types of illuminationsare there in a slit lamp.
11) What is a Hruby lens?
12) What is a Pin Hole?
13) What is against movement in retinoscopy?
14) What is the purpose of a Maddox Rod?
15) What is a PD scale?

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

1) Classification of squint?
2) Common type of lasers?
3) Treatment of conjectiva?
4) Endophthalmitis
5) Write a brief note about congenital dacrocystitis?
6) What is the illumination system in slit lamp. Explain its functions.
7) How many compartments does a Trial Frame. Detail its uses?
8) What is a PD scale. How do you take pd measurement of distance and near?

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

1) Explain the diabetic opthal retinopathy?
2) Describe about intra capsular catract extraction ?
3) How many types of Ophthalmoscopes. Explain in detail.
4) What is a Hruby lens. Explain in detail?
5) What is specular microscope. Explain its types and uses?