



BHARAT SEVAK SAMAJ

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

AHE009-CT SCAN TECHNICIAN

ONE YEAR EXAMINATION NOV-2015

AHE009-01 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) I coffee everyday
- 2) The tiger A deer
- 3) 'Speak' is verb.
- 4) TCP is
- 5) firm ware is known as
- 6) The expanded form of MS Word is.....
- 7) The extension of word file is
- 8) You can enlarge a document using
- 9) In Ms Excel individual file is known as
- 10) Computers can only understand language

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Define punctuation?
- 2) Define collective noun?
- 3) Define uncountable nouns?
- 4) Font
- 5) Backup
- 6) Taskbar
- 7) Explain UNIX
- 8) Link language
- 9) Save
- 10) Adverbs

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

- 1) Explain informal letter?
- 2) Explain few sentences using "may, among, before"?
- 3) Explain Arithmetic logic unit
- 4) Font
- 5) Explain Cut, Copy and 'Paste'
- 6) Curve Tool
- 7) Print preview
- 8) Immediate management in animal bites

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

- 1) Explain briefly the job descriptions
- 2) Explain the MS word and its applications
- 3) Explain details of Accessories in windows?
- 4) Write the types of Charts in EXCEL.
- 5) Explain the classification of computer



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ONE YEAR EXAMINATION NOV-2015

AHE009-02 ANATOMY AND PHYSIOLOGY

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) Strokes are classified in to.....types
- 2) I sichemic strokes account for about.....%
- 3) Skull fracture are categorized as.....&.....
- 4) An enzyme present in saliva is called.....
- 5) The science deals with the structure of the body is known as
- 6) The normal pulse rate is.....minute
- 7) The science studying the structure of human body is called
- 8) Most superiorly located part of central nervous system is
- 9) Basic functional unit of kidney is called
- 10) FSH means

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Hypertensive hemorrhage
- 2) Basilar thrombosis
- 3) Define Fertilization.
- 4) CT findings of stroke
- 5) Salivary glands
- 6) Shoulder joint
- 7) Hormones
- 8) Spleen
- 9) Radius and Ulna
- 10) Lymphoma

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

- 1) Intra ventricular hemorrhage ?
- 2) Pharynx
- 3) GI tract
- 4) Cerebellum
- 5) Structure of heart
- 6) Functions of spinal code
- 7) Chest wall and its structure
- 8) Parts of pelvis

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

- 1) SAH ?
- 2) Explain the structure and functions of cerebrum.
- 3) Subarachonoid Hemorrhage
- 4) Explain menstrual cycle
- 5) Explain the formation and circulation of cerebrospinal fluid



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AHE009-CT SCAN TECHNICIAN

ONE YEAR EXAMINATION NOV-2015

AHE009-03 PHYSICS OF RADIODIAGNOSIS AND EQUIPMENT

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) The first CT Scanner is also called.....
- 2) The gas used in detectors is
- 3) Unit of exposure is.....
- 4) CT scan was discovered by
- 5) An example for rare earth screen is
- 6) CSF is produced by
- 7) X-ray tube and detectors are in the CT machine
- 8) In 3rd generation scanner detectors
- 9) is a non invasive imaging procedure with no risk of radiation
- 10) The main merit of MRI is

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Heal effect
- 2) Positioning lights
- 3) Explain the management of trauma patient
- 4) Basic view of skull radiography
- 5) Sajital and mediastinal plane
- 6) Resistive magnet
- 7) Dark room
- 8) MRI equipment
- 9) Fixing agent
- 10) Gantry movement

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

- 1) Luminescent
- 2) Hazards of radiation
- 3) Explain the anatomical position of the patient ?
- 4) Gird
- 5) MRI in human diseases
- 6) F.O.V
- 7) MR contrast agent
- 8) Atomic theory

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

- 1) Different types of collimators used in CT scanner
- 2) Describe the clinical and physical parameters of CT scanning
- 3) Safety devices and its application in MRI
- 4) Explain urinary system and its functions
- 5) Describe the construction of CT scan.



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AHE009-CT SCAN TECHNICIAN

ONE YEAR EXAMINATION NOV-2015

AHE009-04 CT SCAN TECHNOLOGY AND PATIENT MANAGEMENT

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) The density value of white matters
- 2) For thoracic CT while imaging the film.....of images to be given
- 3) SOL means
- 4) The condition in which difficulty in breathing is called.....
- 5) CT scanner was first invented by.....
- 6) The CT value for infarct is
- 7) The slice thickness used in HRCT is
- 8) In the positioning of CT head line is used
- 9) Enter the patient data by pressing the.....key
- 10) CT value of air.....

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Xenon ionization chamber ?
- 2) Exposure factors of the brain scan
- 3) Types of sinuses
- 4) 3D imaging
- 5) CT scan ankle joint ?
- 6) Cysticercosis.
- 7) Hydrocephalus.
- 8) Direct prone coronal
- 9) CT Scan of Tibia
- 10) Epistaxis

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

- 1) CT Fluoroscopy ?
- 2) Types of atrophy ?
- 3) Topogram ?
- 4) Types of tumors.
- 5) CT Scan of cervical spine
- 6) CT scan of extremities
- 7) Patient preparation in case of CT Abdomen
- 8) General preparation of CT Scanning

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

- 1) Explain about resolution
- 2) Describe about head trauma and its various effects.
- 3) Explain the management of difficult patients.
- 4) CT myelogram
- 5) Angio tomography