

DO NOT WRITE ANYTHING HERE

- (xi) Which of the following is **INCORRECT** about Sialography?
- A. There are four pairs of salivary gland
 B. Contrast is injected in ducts
 C. Parotid gland is located at angle of mandible
 D. Submandibular glands are located below tongue
- (xii) Which of the following is **INCORRECT** about computed radiography(CR)?
- A. Special X-ray machine is used
 B. Film is replaced by a phosphor plate
 C. Also called film-less radiography
 D. X-rays can be stored in computers for long time
- (xiii) Which of the following is **INCORRECT** about gamma rays?
- A. They are non-ionizing radiation
 B. Their energy is higher than the X-ray
 C. Their wavelength is smaller than X-ray
 D. They are emitted by radioactive elements
- (xiv) Which of the following belongs to Kidney?
- A. Hepatocyte
 B. Osteon
 C. Nephron
 D. Neuron
- (xv) Which of the following is an **INCORRECT** answer about CT scan?
- A. Also known as computed tomography
 B. X-rays are used for imaging
 C. X-rays fall on a radiographic film
 D. It takes cross-sectional images
- (xvi) Which of the following is **INCORRECT** about X-ray film?
- A. Is painted on both the sides with radio-graphic emulsion
 B. Base is made of polyester or plastic
 C. Different sizes are available
 D. Film processing time in automatic processor is 3 minutes
- (xvii) Which of the following is **INCORRECT** about dark room?
- A. No sun-light allowed
 B. Amber colour light is used
 C. Cassettes are loaded and unloaded with films
 D. Is located at a distance from the X-ray room
- (xviii) Which of the following is **CORRECT** about CT?
- A. Takes long time than MRI
 B. Claustro-phobia is common
 C. Helical or spiral CT are modern CT
 D. Is expensive than MRI
- (xix) Which is **INCORRECT** about MRI?
- A. Is good for soft tissue imaging
 B. Movement does not spoil the image
 C. Shows better contrast than CT
 D. Children may need anesthesia
- (xx) Which of the following is inflammation of bone?
- A. Hepatitis
 B. Osteomyelitis
 C. Encephalitis
 D. Pneumonia

For Examiner's use only:

Total Marks:

20

Marks Obtained:

— 2HA 1150 —

2011



RADIOGRAPHIC TECHNIQUES HSSC-II

StudentBounty.com

Time allowed: 2:35 Hours

Total Marks Sections B and C: 80

NOTE:- Answer any twenty five parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 50)

Q. 2 Attempt any TWENTY FIVE parts. The answer to each part should not exceed 2 to 4 lines. (25 x 2 = 50)

- (i) Define Ionizing radiation.
- (ii) Name Ionizing and Non-ionizing radiation.
- (iii) What is Inverse square law?
- (iv) What is Collimation?
- (v) What is Attenuation?
- (vi) What is Mammography?
- (vii) How is a mammographic machine different from the common X-Ray machine?
- (viii) What is the Normal length of an oesophagus? Write down the names of normal curves seen in oesophagus.
- (ix) What is Enteroclysis?
- (x) What is real time imaging?
- (xi) What is Angiography?
- (xii) What is Infertility? What are studies done to investigate this problem?
- (xiii) What is Nephrogram?
- (xiv) Name the films taken during IVU.
- (xv) Which part of GIT is studied during barium follow through? What are the films taken in this study?
- (xvi) What is Skyline view?
- (xvii) What is Orbito meatal line? What is its significance?
- (xviii) Write down the names of Para-nasal sinuses. What are the views taken for these?
- (xix) What is high and low osmolar contrast media?
- (xx) What are the serious side-effects of intravascular contrast media?
- (xxi) What are planes of imaging? What is the plane used by CT Scan?
- (xxii) List Radiation effects.
- (xxiii) What is MRI?
- (xxiv) Write four main advantages of CT Scan over MRI.
- (xxv) How will you define Ultrasound?
- (xxvi) What is Transducer?
- (xxvii) What are the three basic principles of radiation protection?
- (xxviii) What are the objects of radiation protection available in X-Ray room?
- (xxix) What is Barium Anema?
- (xxx) Write down the procedure of Film development.
- (xxxi) Briefly describe manual film processing.

SECTION – C (Marks 30)

Note:- Attempt any THREE questions. All questions carry equal marks. (3 x 10 = 30)

- Q. 3 Write down the differences between CT and MRI.
- Q. 4 What is Dysphagia? Which is the study done for this problem? Write down the procedure of doing barium swallow.
- Q. 5 What is HOCM and LOCM? Write down the side effects of ionic contrast media.
- Q. 6 What is inverse square law? Where is this law applied? Write down the basic fundamentals of radiation protection.
- Q. 7 What is Fluoroscopy? What are the studies done under fluoroscopy?