

PROVISIONAL ANSWER KEY

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Alphacode	A

Question1:-Guru Shikhar is a part of

- A:-Himalayas
- B:-Aravalli
- C:-Vindhya
- D:-Satpura

Correct Answer:- Option-B

Question2:-Teesta river is a tributary of

- A:-Brahmaputra
- B:-Ganges
- C:-Narmada
- D:-Mahanadi

Correct Answer:- Option-A

Question3:-Which region of India gets highest average annual rainfall ?

- A:-North-East States
- B:-Himalayas
- C:-East Coast
- D:-West Coast

Correct Answer:- Option-D

Question4:-The first planned Ecotourism spot in India

- A:-Sundarbans
- B:-Kodaikanal
- C:-Thenmala
- D:-Lakshadweep

Correct Answer:- Option-C

Question5:-The word which "C" stands for in ICDS, the central development programme

- A:-Community
- B:-Child
- C:-Cultivation
- D:-Climate

Correct Answer:- Option-B

Question6:-The extremists of congress parted with moderates in the session held at

- A:-Surat
- B:-Allahabad
- C:-Bombay
- D:-Calcutta

Correct Answer:- Option-A

Question7:-Founder of Visvabharati University

- A:-Sisirkumar Ghosh
- B:-Bhupendranath Dutta
- C:-Satyendranath Tagore
- D:-Rabindranath Tagore

Correct Answer:- Option-D

Question8:-Student organisation formed as a part of national movement of India

- A:-National Students Union
- B:-All India Students Federation
- C:-Students Federation of India
- D:-Akhila Bharatiya Vidyarthi Parishad

Correct Answer:- Option-B

Question9:-Municipal Corporations in Kerala are to have a minimum population of

- A:-1 lakh

B:-2 lakhs

C:-3 lakhs

D:-5 lakhs

Correct Answer:- Option-C

Question10:-The PMMY scheme of Union Government is focused on

A:-Food Security

B:-Employment Guarantee

C:-Industrial Financing

D:-Women Empowerment

Correct Answer:- Option-C

Question11:-Which of the following journals was published by Dr. Herman Gundert ?

A:-Jnananikshepam

B:-Paschimodayam

C:-Vidyasangraham

D:-Paschimataraka

Correct Answer:- Option-B

Question12:-Who directed the malayalam film "Aswamedham" ?

A:-Thoppil Bhasi

B:-Ramu Kariat

C:-P. Bhaskaran

D:-A. Vincent

Correct Answer:- Option-D

Question13:-Author of "Vicharaviplavam"

A:-Moorkoth Kumaran

B:-M. Govindan

C:-Kuttippuzha Krishnapillai

D:-M.N. Vijayan

Correct Answer:- Option-C

Question14:-Who among the following wrote biography of Karl Marx ?

A:-K. Ramakrishna Pillai

B:-A. Balakrishna Pillai

C:-C.V. Raman Pillai

D:-C.V. Kunhuraman

Correct Answer:- Option-A

Question15:-Which social reformer founded the "Uralungal Labour Contract Society" of Kozhikode ?

A:-Vagbhatanandan

B:-C. Krishnan

C:-U. Gopala Menon

D:-K. Kelappan

Correct Answer:- Option-A

Question16:-Who is known as Iron Lady of Manipur ?

A:-Dayabai

B:-Irom Sharmila

C:-Rukhsana Kausar

D:-Aruna Roy

Correct Answer:- Option-B

Question17:-Which Internet Service Provider's announcement opened the debate on "Net Neutrality" in India ?

A:-BSNL

B:-Reliance

C:-Vodafone

D:-Airtel

Correct Answer:- Option-D

Question18:-Medicins Sans Frontiers International is an organisation based in

A:-New York

B:-London

C:-Rome

D:-Geneva

Correct Answer:- Option-D

Question19:-Who predicted Gravitational Waves for the first time ?

- A:-Einstein
 - B:-Newton
 - C:-Galileo
 - D:-Stephen Hawking
- Correct Answer:- Option-A

Question20:-"Golden Globe" is awarded for

- A:-Reporting
 - B:-Literature
 - C:-Movie and Television
 - D:-Sports
- Correct Answer:- Option-C

Question21:-Total thickness of polyester base x-ray film

- A:-0.2 to 0.4 mm
 - B:-0.4 to 0.6 mm
 - C:-0.6 to 0.8 mm
 - D:-0.8 to 10 mm
- Correct Answer:- Option-A

Question22:-Single sided films are used in which of the following condition ?

- A:-Mammography
 - B:-IVU
 - C:-Barium enema
 - D:-RGU
- Correct Answer:- Option-A

Question23:-Size of dental occlusal film

- A:-57 mm × 76 mm
 - B:-77 mm × 94 mm
 - C:-47 mm × 68 mm
 - D:-80 mm × 98 mm
- Correct Answer:- Option-A

Question24:-All are sizes of screen type x-ray film except

- A:-13 × 18 cm
 - B:-18 × 24 cm
 - C:-15 × 24 cm
 - D:-24 × 30 cm
- Correct Answer:- Option-C

Question25:-Over exposure corresponds to which part of characteristic curve of a typical medical x-ray film ?

- A:-Toe
 - B:-Straight In.
 - C:-Shoulder
 - D:-Base
- Correct Answer:- Option-C

Question26:-All are factors which increase basic fog

- A:-ageing of film
 - B:-processing temperature too low
 - C:-greater film speed
 - D:-too long a time of development
- Correct Answer:- Option-B

Question27:-Useful range of densities in a medical radiograph

- A:-0.25 to 2
 - B:-2 to 3
 - C:-3 to 3.5
 - D:-4 to 6
- Correct Answer:- Option-A

Question28:-X-ray film boxes in a store should stand

- A:-horizontal
 - B:-vertical
 - C:-left lateral
 - D:-right lateral
- Correct Answer:- Option-B

Question29:-Base of intensifying screen consists of

- A:-polyester
- B:-barium sulphate
- C:-barium acetate
- D:-cellulose nitrate

Correct Answer:- Option-A

Question30:-Which intensifying screen is mounted first ?

- A:-back screen
- B:-front screen
- C:-both of the above
- D:-none of the above

Correct Answer:- Option-B

Question31:-Which step is omitted in automatic film processing ?

- A:-development
- B:-fixing
- C:-rinse
- D:-wash

Correct Answer:- Option-C

Question32:-Fixing solution must include all of the following except

- A:-alkali
- B:-acid
- C:-stabilizer
- D:-buffer

Correct Answer:- Option-A

Question33:-All the following are processing hangers except

- A:-channel type
- B:-tension hanger
- C:-hanger bars
- D:-hanger slips

Correct Answer:- Option-D

Question34:-Location of radiodiagnostic darkroom

- A:-central
- B:-right corner
- C:-left corner
- D:-front

Correct Answer:- Option-A

Question35:-T-tube choledochography is done on which post operative day ?

- A:-8
- B:-10
- C:-12
- D:-14

Correct Answer:- Option-B

Question36:-Compression band is given at which time of IVU ?

- A:-5 mt.
- B:-10 mt.
- C:-15 mt.
- D:-20 mt.

Correct Answer:- Option-A

Question37:-All are indication of MCU (Micturating Cysto Urethrogram) except

- A:-vesicoureteric reflux
- B:-abnormalities of bladder
- C:-renal calculus
- D:-stress incontinence

Correct Answer:- Option-C

Question38:-HSG (Hystero Salpingo Graphy) is done on which day of a 28 day cycle ?

- A:-1 - 4
- B:-4 - 10
- C:-10 - 14
- D:-14 - 18

Correct Answer:- Option-B

Question39:-Conray 280 contain

A:-sodium iothalamate

B:-meglumini iothalamate

C:-sodium diatrizoate

D:-meglumine diatrizoate

Correct Answer:- Option-B

Question40:-All the following are application of macroradiography except

A:-carpal bones

B:-temporal bones

C:-sialography

D:-pelvic bones

Correct Answer:- Option-D

Question41:-High KVP exposure technique is used to demonstrate

A:-surgical emphysema

B:-mammography

C:-parasitic calcification

D:-calcification of arteries

Correct Answer:- Option-A

Question42:-Amount of contrast used in HSG. (Hystero Salpingo Graphy)

A:-5 - 10 ml

B:-10 - 20 ml

C:-20 - 30 ml

D:-30 - 40 ml

Correct Answer:- Option-B

Question43:-Minimal pneumothorax is demonstrated by

A:-X-ray chest PA in full expiration

B:-X-ray chest PA in full inspiration

C:-Right lateral decubitus

D:-Antero-posterior view

Correct Answer:- Option-A

Question44:-Application of high-kilo voltage technique

A:-IVU

B:-Barium meal

C:-Lumbar spine

D:-Carpal bones

Correct Answer:- Option-B

Question45:-All are carpal bones except

A:-Scaphoid

B:-Lunate

C:-Navicular

D:-Pisiform

Correct Answer:- Option-C

Question46:-Gall bladder stones are better demonstrated in which view ?

A:-AP

B:-RPO

C:-PA

D:-Rt. lateral

Correct Answer:- Option-B

Question47:-Stomach and transverse colon are in the upper part of abdomen in which type of patients ?

A:-Hypersthenic

B:-Asthenic

C:-Sthenic

D:-Hyposthenic

Correct Answer:- Option-A

Question48:-Transpyloric plane passes through

A:-upper border of `L_5`

B:-midway between suprasternal notch and symphysis pubis

C:-tubercles of iliac crest

D:-midway between umbilicus and pubic symphysis

Correct Answer:- Option-B

Question49:-Left heart border is formed by all of the following except

A:-Left ventricle

B:-main pulmonary artery

C:-SVC

D:-Aortic knuckle

Correct Answer:- Option-C

Question50:-Degree of dorsiflexion in lordotic view of chest

A:-30 - 40 degree

B:-20 - 30 degree

C:-40 - 50 degree

D:-50 - 60 degree

Correct Answer:- Option-A

Question51:-Chest x-ray P-A in full expiration taken in all of the following except

A:-pneumothorax

B:-pleural effusion

C:-inhaled foreign body

D:-diaphragmatic movement

Correct Answer:- Option-B

Question52:-Azygos vein is surrounded by how many layers of pleura ?

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-D

Question53:-Orthophantomography is an investigation of

A:-maxilla

B:-clavicle

C:-tibia

D:-talus

Correct Answer:- Option-A

Question54:-Town's view is

A:-Fronto occipital

B:-Fronto occipital 30 degree cadang

C:-Occipito frontal

D:-Occipito mental

Correct Answer:- Option-B

Question55:-Waters view is

A:-Occipito mental

B:-Occipito frontal

C:-Fronto occipital

D:-Lateral

Correct Answer:- Option-A

Question56:-Stenver's view is used to demonstrate which bone

A:-PNS

B:-Mandible

C:-Patrons

D:-Nasal bone

Correct Answer:- Option-C

Question57:-Fronto nasal articulation is called

A:-Nasion

B:-Glabella

C:-Vertex

D:-Irion

Correct Answer:- Option-A

Question58:-Line extends from the outer canthus of the eye to the centre of the external auditory meatus

A:-infra-orbital line

B:-anthropological base line

C:-auricular line
D:-orbitomeatal base line
Correct Answer:- Option-D

Question59:-Swimmers view is taken to demonstrate

A:-Cervical vertebrae
B:-Cervico-thoracic vertebrae
C:-Thoracic vertebrae
D:-Lumbar vertebrae
Correct Answer:- Option-B

Question60:-Lower costal margin corresponds to

A:-`L_(1)` vertebrae
B:-`L_(3)` vertebrae
C:-`L_(4)` vertebrae
D:-`L_(5)` vertebrae
Correct Answer:- Option-B

Question61:-Sternal angle corresponds to

A:-`T_(2-3)` Vertebrae
B:-`T_(3-4)` Vertebrae
C:-`T_(4-5)` Vertebrae
D:-`T_(5-6)` Vertebrae
Correct Answer:- Option-B

Question62:-All are tarsal bones except

A:-pisiform
B:-navicular
C:-cuboid
D:-cuneiforms
Correct Answer:- Option-A

Question63:-Centering point in shoulder Antero posterior

A:-Acromion
B:-Conoid Tubercle
C:-Coracoid process
D:-Head of humerus
Correct Answer:- Option-C

Question64:-Commonest complication of percutaneous lung biopsy

A:-Pneumothorax
B:-Pulmonary haemorrhage
C:-Haemoptysis
D:-Infection
Correct Answer:- Option-A

Question65:-All the following are parts of small intestine except

A:-Duodenum
B:-Ileum
C:-Rectum
D:-Jejunum
Correct Answer:- Option-C

Question66:-Sialography is an investigation of

A:-Pituitary gland
B:-Parotid gland
C:-Pancreas
D:-Adrenal
Correct Answer:- Option-B

Question67:-HRCT is done in which condition ?

A:-Pleural effusion
B:-Pneumothorax
C:-Bronchiectasis
D:-Mass lesion
Correct Answer:- Option-C

Question68:-Pulmonary angiogram is done in which condition ?

A:-Bronchogenic carcinoma

B:-Pulmonary embolism

C:-Aortic dissection

D:-Pleural effusion

Correct Answer:- Option-B

Question69:-Biliary system is better demonstrated by which investigation ?

A:-X-ray

B:-Ultrasound

C:-CT scan

D:-Tomography

Correct Answer:- Option-B

Question70:-All are indication for Barium Swallow except

A:-Gastric ulcer

B:-Oesophageal varices

C:-Dysphagia

D:-Odynophagia

Correct Answer:- Option-A

Question71:-Colonic mucosa is better demonstrated by which investigation ?

A:-BMFT

B:-Single contrast barium enema

C:-Double contrast barium enema

D:-Ultrasound

Correct Answer:- Option-C

Question72:-Fractures are better demonstrated in which window ?

A:-Bone

B:-Soft tissue

C:-Mediastinal

D:-Lung

Correct Answer:- Option-A

Question73:-Contrast used in CT Abdomen

A:-I/V

B:-I/V + Oral

C:-I/V + Oral + Rectal

D:-I/V + Rectal

Correct Answer:- Option-C

Question74:-All are true regarding SDH except

A:-crosses the midline

B:-do not cross the midline

C:-midline shift can occur

D:-can occur following trauma

Correct Answer:- Option-A

Question75:-Sub arachnoid haemorrhage better demonstrated by used which investigation ?

A:-X-ray

B:-CT

C:-Ultrasound

D:-Angiography

Correct Answer:- Option-B

Question76:-All are parts of circle of willis except

A:-basilar artery

B:-ACA

C:-anterior cerebral artery

D:-vertebral artery

Correct Answer:- Option-D

Question77:-All are CT findings in hyperacute infarct except

A:-Normal

B:-Mass effect

C:-Hyperdense artery

D:-Obscuration of lentiform nucleus

Correct Answer:- Option-B

Question78:-All are MR findings in immediate phase of cerebral infarction except

- A:-absence of normal flow void
 - B:-perfusion alteration
 - C:-meningeal enhancement adjacent to infarct
 - D:-low apparent diffusion coefficient
- Correct Answer:- Option-C

Question79:-Centering of x-ray beam in Hand anterior oblique view

- A:-head of 2nd metacarpal
 - B:-head of 3rd metacarpal
 - C:-head of 4th metacarpal
 - D:-head of 5th metacarpal
- Correct Answer:- Option-D

Question80:-Centering of x-ray beam in scaphoid anterior oblique view

- A:-ulnar styloid process
 - B:-radial styloid process
 - C:-midway between radial and ulnar styloid process
 - D:-base of 3rd metacarpal
- Correct Answer:- Option-A

Question81:-Centering of the x-ray beam in elbow joint antero posterior view

- A:-joint space 2.5 cm proximal to the mid point between the epicondyles of the humerus
 - B:-joint space 2.5 cm distal to the mid point between the epicondyles of the humerus
 - C:-tuberosity of radius
 - D:-head of radius
- Correct Answer:- Option-B

Question82:-All are parts of scapula except

- A:-Acromion
 - B:-Supraspination fossa
 - C:-greater tuberosity
 - D:-infraspination fossa
- Correct Answer:- Option-C

Question83:-To demonstrate the anterior part of intercondylar notch a central ray is directed how many degrees to the axis of the tibia ?

- A:-110 degree
 - B:-100 degree
 - C:-90 degree
 - D:-80 degree
- Correct Answer:- Option-A

Question84:-Compression in IVP is contraindicated in which condition ?

- A:-Pyelonephritis
 - B:-Renal failure
 - C:-After renal trauma
 - D:-Vesicoureteric reflux
- Correct Answer:- Option-C

Question85:-Myelography is contra indicated in which condition ?

- A:-Papilloredema
 - B:-Diastematomyelin
 - C:-Neurofibromatosis
 - D:-Meningocele
- Correct Answer:- Option-A

Question86:-Pigtail catheter is used in which condition ?

- A:-Peripheral venography
 - B:-Central venography
 - C:-Renal arteriography
 - D:-Portal venography
- Correct Answer:- Option-C

Question87:-Which of the following is a local complication of Angiography ?

- A:-Air embolus
- B:-False aneurysm
- C:-Peripheral embolus
- D:-Septicaemia

Correct Answer:- Option-B

Question88:-Molybdenum target and molybdenum filters are used in which investigation ?

- A:-IVU
- B:-Sialography
- C:-Barium meal
- D:-Mammogram

Correct Answer:- Option-D

Question89:-All are parts of pelvic bone except

- A:-ischial tuberosity
- B:-pubic arch
- C:-greater trochanter
- D:-iliac crest

Correct Answer:- Option-C

Question90:-All are paranasal sinuses except

- A:-mastoids
- B:-ethmoid
- C:-frontal
- D:-spheroid

Correct Answer:- Option-A

Question91:-Total number of permanent teeth

- A:-28
- B:-30
- C:-32
- D:-34

Correct Answer:- Option-C

Question92:-10 MHz ultrasound probe is used in which of the following condition ?

- A:-eye
- B:-abdomen
- C:-heart
- D:-pleural cavity fluid

Correct Answer:- Option-A

Question93:-Uterus, cervix and vagina is better demonstrated by which investigation ?

- A:-Ultrasound
- B:-Plain x-ray
- C:-CT scan
- D:-MRI

Correct Answer:- Option-D

Question94:-Normal adult dose of contrast in IVU

- A:-200 mg iodine/kg
- B:-250 mg iodine/kg
- C:-300 mg iodine/kg
- D:-400 mg iodine/kg

Correct Answer:- Option-C

Question95:-Bilbao-Dotter Tube is used in which investigation ?

- A:-Single contrast barium meal
- B:-Double contrast barium meal
- C:-Small bowel enema
- D:-Barium enema

Correct Answer:- Option-C

Question96:-Pneumoperitoneum is best demonstrated by

- A:-Supine abdomen x-ray
- B:-Crect chest x-ray
- C:-Supine chest x-ray
- D:-Right lateral decubitus x-ray

Correct Answer:- Option-B

Question97:-Gadolinium is used in which of the following ?

- A:-Ultrasound
- B:-MRI
- C:-CT scan

D:-IVU

Correct Answer:- Option-B

Question98:-The CT number of liver tissue lie approximately how many HU ?

A:-- 100 to - 200

B:-0 to 10

C:-40 to 90

D:-500 to 1000

Correct Answer:- Option-C

Question99:-What is responsible for the contrast in MRI images ?

A:-Proton density

B:-`T₁` relaxation

C:-`T₂` relaxation

D:-All of the above

Correct Answer:- Option-D

Question100:-The number at which the window setting is centered is called

A:-Window level

B:-Window width

C:-Matrix

D:-Voxel

Correct Answer:- Option-A