



NEET PG 2020 PYQs

Here is a valuable resource to elevate your NEET PG preparation - the NEET PG 2020 Previous Year Questions PDF. These recall-based questions have been carefully vetted by India's leading medical faculty to ensure accuracy and relevance.

You can use this PDF to strengthen your exam preparations by identifying and working on the high-yield topics that have been asked repeatedly over the past years.

Also, if you're looking to enhance your understanding further of these topics, download the PrepLadder app and get access to QBank 5.0 for detailed explanations for all correct and incorrect options. You will also get a ton of other excellent preparation resources to help you stay ahead in your journey to success! Find the download link at the end.

<p>Ques No: 1 Subject: Anatomy Topic: Upper Limb Sub-Topic:</p>
<p>Which of the following forms the lateral boundary of the anatomical snuff box?</p>
<p>O1: Extensor pollicis brevis and abductor pollicis longus</p>
<p>O2: Extensor pollicis longus and abductor pollicis brevis</p>
<p>O3: Extensor pollicis longus and extensor pollicis brevis</p>
<p>O4: Abductor pollicis longus and abductor pollicis brevis</p>
<p>Ans: 1</p>

<p>Ques No: 2 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic:</p>
<p>The remnants of Wolffian ducts in females are located in</p>
<p>O1: Pouch of Douglas</p>
<p>O2: Leaves of broad ligament</p>
<p>O3: Uterovesical pouch</p>
<p>O4: Iliac fossa</p>



Ans: 2

Ques No: 3

Subject: Anatomy

Topic: Head and Neck

Sub-Topic:

Which of the following is not used for the identification of the facial nerve trunk?

O1:

Retrograde dissection from distal branch

O2:

Tragal pointer

O3:

Inferior belly of omohyoid muscle

O4:

Posterior belly of digastric

Ans: 3

Ques No: 4

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

In which part of the fallopian tube does fertilization occur?

O1:

Ampulla

O2:

Isthmus

O3:

Interstitial

O4:

Infundibular

Ans: 1

Ques No: 5

Subject: Anatomy

Topic: Thorax

Sub-Topic:

The false statement about fetal circulation is:

O1:

Anatomical closure of foramen ovale is by 3 to 5 days

O2:

Anatomical closure of ductus venosus is by 3 to 7 days



O3:

Right umbilical vein is absent

O4:

Anatomical closure of ductus arteriosus is by 2 to 3 weeks

Ans: 1

Ques No: 6

Subject: Anatomy

Topic: Neuro Anatomy

Sub-Topic:

A patient presented with clinical features of ataxia and incoordination. This is due to thrombosis of which artery?

O1:

Posterior cerebral

O2:

Middle cerebral

O3:

Internal carotid

O4:

Superior cerebellar

Ans: 4

Ques No: 7

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A patient came to the gynaecology OPD with complaints of foul – smelling frothy vaginal discharge and intense itching. On examination, the cervix was spotted and had the appearance of a strawberry. Identify the causative organism.

O1:

Trichomonas vaginalis

O2:

Gardnerella vaginalis

O3:

Neisseria gonorrhoea

O4:

Candida albicans

Ans: 1

Ques No: 8

Subject: Anatomy

Topic: Head and Neck



Sub-Topic:

Which of the following structures prevents the upward extension of thyroid swelling through its attachment to the thyroid cartilage?

O1:

Pretracheal fascia

O2:

Sternothyroid

O3:

Thyrohyoid membrane

O4:

Ligament of berry

Ans: 2

Ques No: 9

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

Identify the contraceptive shown in the given image



O1:

Male condom

O2:

Female condom

O3:

Diaphragm

O4:

Cervical cap

Ans: 2

Ques No: 10

Subject: Anatomy



Topic: Upper Limb Sub-Topic:
A patient presented with the extension of MCP joint and flexion of IP joints. Which muscle is affected?
O1: Extensor digitorum
O2: Interossei and lumbricals
O3: Abductor pollicis longus
O4: Abductor pollicis brevis
Ans: 2

Ques No: 11 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic:
A woman presents to the OPD with complaints of amenorrhoea for the past year. She has a history of postpartum hemorrhage and lactational failure. What is the probable diagnosis ?
O1: Sheehan's syndrome
O2: Rotor syndrome
O3: Prolactinoma
O4: Acromegaly
Ans: 1

Ques No: 12 Subject: Biochemistry Topic: Introduction Sub-Topic:
What is the function of the proteasome?
O1: Protein folding
O2: Pot-translation modification
O3: Protein degradation



O4:
Protein sorting

Ans: 3

Ques No: 13
Subject: Anatomy
Topic: General Embryology
Sub-Topic:

Meiosis occurs in:

O1:
Adrenal

O2:
Adult ovary

O3:
Prepubertal testis

O4:
Hypothalamus

Ans: 2

Ques No: 14
Subject: Gynaecology & Obstetrics
Topic: Gynecology
Sub-Topic:

An 18 year old girl presents with a history of low – grade fever, weight loss, abdominal pain and amenorrhoea for six months. On examination, a pelvic mass is felt on the left side and signs of ascites are positive. What is your diagnosis ?

O1:
Tuberculosis with tubo – ovarian mass

O2:
Ovarian malignancy

O3:
Ectopic pregnancy

O4:
Submucous fibroid

Ans: 1

Ques No: 15
Subject: Biochemistry
Topic: Amino Acids and Proteins Chemistry
Sub-Topic:

Replacing alanine by which amino acid, will increase the UV absorbance of protein at 280nm wavelength?



O1: Leucine
O2: Proline
O3: Arginine
O4: Tryptophan
Ans: 4

Ques No: 16 Subject: Anatomy Topic: General Embryology Sub-Topic: The long left recurrent laryngeal nerve is due to the persistence of which arch artery?
O1: 3 rd arch
O2: 4 th arch
O3: 5 th arch
O4: 6 th arch
Ans: 4

Ques No: 17 Subject: Anatomy Topic: Neuro Anatomy Sub-Topic: A patient presented with weakness of the right side of the face with the loss of pain and temperature. Pain and temperature sensation of the left leg is also lost. The lesion is most likely located at?
O1: Medial medulla
O2: Lateral pons
O3: Medial pons
O4: Lateral medulla
Ans: 2



Ques No: 18

Subject: Anatomy

Topic: Abdomen

Sub-Topic:

Ligation of common hepatic artery will impair blood supply in:

O1:

Right gastric and right gastroepiploic artery

O2:

Right gastric and left gastric artery

O3:

Right gastroepiploic and short gastric vessels

O4:

Right gastric and short gastric vessels

Ans: 1

Ques No: 19

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

Vitamin B12 is found maximum in:

O1:

Animal products

O2:

Green leafy vegetables

O3:

Roots and tubers

O4:

Vegetarian diet

Ans: 1

Ques No: 20

Subject: Anatomy

Topic: Upper Limb

Sub-Topic:

Identify the sign shown in the image below:





O1: Popeye sign
O2: Hill-Sachs sign
O3: Griesinger sign
O4: Rising sun sign
Ans: 1

Ques No: 21 Subject: Biochemistry Topic: Lipid Chemistry Sub-Topic: The process of apolipoprotein B48 synthesis involves which of the following?
O1: RNA alternate splicing
O2: RNA editing
O3: DNA editing
O4: RNA interference
Ans: 2

Ques No: 22 Subject: Biochemistry Topic: Lipid Chemistry Sub-Topic: A patient presents with a clinical scenario of obstructive jaundice. Which of the following results can be seen in Van der Bergh's reaction?
O1: Direct positive
O2: Indirect positive
O3: Both positive
O4: Coprotophyrin
Ans: 1

Ques No: 23



Subject: Anatomy
Topic: Pelvis and Perineum
Sub-Topic:

A patient presented with an enlarged inguinal lymph node. The most likely primary cause is

O1:
Testicular cancer

O2:
Anal cancer

O3:
Sigmoid colon cancer

O4:
Prostate cancer

Ans: 2

Ques No: 24
Subject: Gynaecology & Obstetrics
Topic: Obstetrics
Sub-Topic:

In modern obstetrics, which of the following investigations is used for monitoring the fetus of an Rh- negative sensitized mother ?

O1:
Biophysical profile

O2:
Fetal blood sampling

O3:
Amniospectrometry

O4:
MCA doppler peak systolic velocity

Ans: 4

Ques No: 25
Subject: Gynaecology & Obstetrics
Topic: Gynecology
Sub-Topic:

What is the causative agent for granuloma inguinale ?

O1:
Calymmatobacterium granulomatis

O2:
Chlamydia trachomatis

O3:
Ureaplasma urealyticum



O4:
Treponema pallidum

Ans: 1

Ques No: 26
Subject: Gynaecology & Obstetrics
Topic: Gynecology
Sub-Topic:

Which of the following is the causative organism of vulval warts?

O1:
Human papilloma virus

O2:
Herpes simplex virus

O3:
Human immunodeficiency virus

O4:
Cytomegalovirus

Ans: 1

Ques No: 27
Subject: Anatomy
Topic: Abdomen
Sub-Topic:

A tumor of the uncinata process of the pancreas affects which of the following vessels?

O1:
Superior mesenteric artery

O2:
Portal vein

O3:
Common hepatic artery

O4:
Inferior mesenteric artery

Ans: 1

Ques No: 28
Subject: Biochemistry
Topic: Genetics
Sub-Topic:

If the percentage of thymine residues in DNA is 28%. What is the % of cytosine?

O1:
28%



O2: 44%
O3: 36%
O4: 22%
Ans: 4

<p>Ques No: 29 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic:</p> <p>A 22 year old pregnant woman at 13 weeks of gestation informs you about accidental exposure to radiation from a chest X – ray at 7 weeks of gestation. What should be the next advised to her ?</p>
O1: Continue pregnancy
O2: Terminate pregnancy
O3: Pre – invasive diagnostic test
O4: Chromosome screening
Ans: 1

<p>Ques No: 30 Subject: Biochemistry Topic: Carbohydrate Metabolism Sub-Topic:</p> <p>Enzyme activated by a decrease in insulin: glucagon ration is:</p>
O1: Glucokinase
O2: Hexokinase
O3: Phosphofructokinase
O4: Glucose 6-phosphatase
Ans: 4

<p>Ques No: 31 Subject: Biochemistry</p>



Topic: Vitamins

Sub-Topic:

A patient presented with symptoms of peripheral neuropathy and macrocytic anemia. She was given folate 5mg and the blood picture improved. However, the neurologic manifestations were aggravated. What is the most likely cause?

O1:

Malabsorption of folate

O2:

Treatment with folate unmasking pyridoxine deficiency

O3:

Deficiency of folate reductase in CNS

O4:

Folate therapy using the B12 stores

Ans: 4

Ques No: 32

Subject: Biochemistry

Topic: Enzymes

Sub-Topic:

Which of the following is true regarding non-competitive inhibition?

O1:

Constant k_m and increased V_{max}

O2:

Constant k_m and decrease V_{max}

O3:

Decreased k_m and decreased V_{max}

O4:

Increased k_m and unchanged V_{max}

Ans: 2

Ques No: 33

Subject: ENT

Topic: Ear

Sub-Topic:

From which of the following structure does the saccule develop?

O1:

Saculus anterior

O2:

Saculus posterior

O3:

Pars superior



O4:
Pars inferior

Ans: 4

Ques No: 34
Subject: Gynaecology & Obstetrics
Topic: Obstetrics
Sub-Topic:

After successful delivery of the baby, the obstetrician witnesses that the episiotomy performed has extended backwards beyond the perineal body. Which among the following structures is likely to be injured in this case?

O1:
External anal sphincter

O2:
Ischiocavernosus

O3:
Bulbospongiosis

O4:
Urethral sphincter

Ans: 1

Ques No: 35
Subject: ENT
Topic: Ear
Sub-Topic:

What is the surgery done to widen the cartilaginous part of the external auditory canal called?

O1:
Meatoplasty

O2:
Tympanoplasty

O3:
Myringoplasty

O4:
Otoplasty

Ans: 1

Ques No: 36
Subject: ENT
Topic: Ear
Sub-Topic:

Cough on scratching the external acoustic canal is due to?



O1: Auriculotemporal nerve
O2: Auricular branch of vagus
O3: Great auricular nerve
O4: Facial nerve
Ans: 2

Ques No: 37 Subject: Biochemistry Topic: Carbohydrate Chemistry Sub-Topic: A patient came to the hospital with a complaint of abdominal pain. Routine investigations were unremarkable. On observation, the urine turned black on standing. Which of the following enzymes is likely to be defective in this patient?
O1: Homogentisate oxidase
O2: Xanthine oxidase
O3: Phenylalanine hydroxylase
O4: Dihydrate orotate dehydrogenase
Ans: 1

Ques No: 38 Subject: ENT Topic: Ear Sub-Topic: Which of the following is not a feature of tubercular otitis media?
O1: Ear ache
O2: Multiple perforations
O3: Pale granulation
O4: Foul smelling ear discharge
Ans: 1



Ques No: 39

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

A 34-year-old male as on maize as a staple diet for a prolonged period. He presented with diarrhea and a lesion over his neck as shown in the image below. The condition occurs due to deficiency of:



O1:
Niacin

O2:
Zinc

O3:
Thiamine

O4:
Iron

Ans: 1

Ques No: 40

Subject: ENT

Topic: Ear

Sub-Topic:

A person who met with an accident, and suffered from a skull fracture presents with the following finding. Identify this clinical finding.



O1:
Battle sign

O2:
Bezold abscess

O3:
Mastoiditis

O4:
Griesinger sign

Ans: 1

Ques No: 41

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

Which vitamin, when infused in supraphysiological doses, causes macular edema and macular cysts?

O1:
Vitamin A

O2:
Vitamin D

O3:
Vitamin E

O4:
Vitamin B3

Ans: 4

Ques No: 42

Subject: Gynaecology & Obstetrics

Topic: Gynecology



Sub-Topic:
A 16 year old girl presents to the OPD with a history of primary amenorrhoea and cyclical pain. Perineal examination reveals a bulge protruding from the vagina. Identify the cause of this presentation.
O1: Transverse septum in the proximal vagina
O2: Complete vaginal atresia
O3: Imperforate hymen
O4: Cervical agenesis
Ans: 3

Ques No: 43 Subject: ENT Topic: Nose and Paranasal Sinuses Sub-Topic:
Surgery where one nostril is partially or completely occluded is done for which condition?
O1: Vasomotor rhinitis
O2: Atrophic rhinitis
O3: Invasive aspergillosis
O4: Allergic rhinitis
Ans: 2

Ques No: 44 Subject: Biochemistry Topic: Amino Acids and Proteins Chemistry Sub-Topic:
Nitric oxide is synthesized from
O1: L-arginine
O2: L-citrulline
O3: Glycine
O4:



Lysine

Ans: 1

Ques No: 45

Subject: ENT

Topic: Nose and Paranasal Sinuses

Sub-Topic:

What is occipitomenal view with open mouth also known as?

O1:

Water's view

O2:

Towne's view

O3:

Law's view

O4:

Stenver's view

Ans: 1

Ques No: 46

Subject: ENT

Topic: Pharynx

Sub-Topic:

A 9-year-old boy comes with complaints of right ear pain, difficulty in opening the mouth, painful swallowing, and fever. The oral cavity examination reveals the following. The external facial examination is unremarkable. Which of the following is likely?



O1:

Pharyngitis



O2: Parotid abscess
O3: Bezold's Abscess
O4: Quisny
Ans: 4

Ques No: 47 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic: A pregnant woman presents for a routine antenatal checkup at 18 weeks of gestation. On abdominal examination, the uterine size was found to correspond to 16 weeks of gestation. On USG, oligohydramnios was found. Which of the following is a likely cause ?
O1: Renal agenesis
O2: Fetal anemia
O3: Barter syndrome
O4: Anencephaly
Ans: 1

Ques No: 48 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic: A 24 year old woman visits the infertility clinic with a complaint of recurrent abortions. Upon investigations, she is found to have a septate uterus. Which of the following corrective procedures has the best obstetric outcome ?
O1: Jones metroplasty
O2: Strassmann metroplasty
O3: Tompkins metroplasty
O4: Transcervical resection of septum
Ans: 4



Ques No: 49

Subject: Ophthalmology

Topic: Cornea

Sub-Topic:

Which of the following layers is responsible for maintaining the hydration and transparency of the cornea?

O1:

Descemet's membrane

O2:

Endothelial cells

O3:

Stroma

O4:

Corneal epithelium

Ans: 2

Ques No: 50

Subject: Ophthalmology

Topic: Cornea

Sub-Topic:

What is the characteristic feature of a fungal ulcer?

O1:

Reverse hypopyon

O2:

Dendritic ulcer on a fluorescein dye

O3:

Ring abscess

O4:

Satellite lesion

Ans: 4

Ques No: 51

Subject: Ophthalmology

Topic: Conjunctiva

Sub-Topic:

Extra row of eyelashes behind the grey line is called as?

O1:

Trichiasis

O2:

Distichiasis

O3:

Tylosis



O4:
Madarosis

Ans: 2

Ques No: 52
Subject: Ophthalmology
Topic: Orbit
Sub-Topic:

A middle-aged woman presented with bilateral proptosis, restriction of eye movements, and chemosis. Her thyroid profile showed she was euthyroid. What is the most probable cause?

O1:
Orbital pseudotumor

O2:
Thyroid ophthalmopathy

O3:
Orbital lymphoma

O4:
Orbital cellulitis

Ans: 2

Ques No: 53
Subject: Ophthalmology
Topic: Glaucoma
Sub-Topic:

The drug increasing uveoscleral flow is?

O1:
Timolol

O2:
Latanoprost

O3:
Pilocarpine

O4:
Carbonic anhydrase inhibitor

Ans: 2

Ques No: 54
Subject: Gynaecology & Obstetrics
Topic: Gynecology
Sub-Topic:

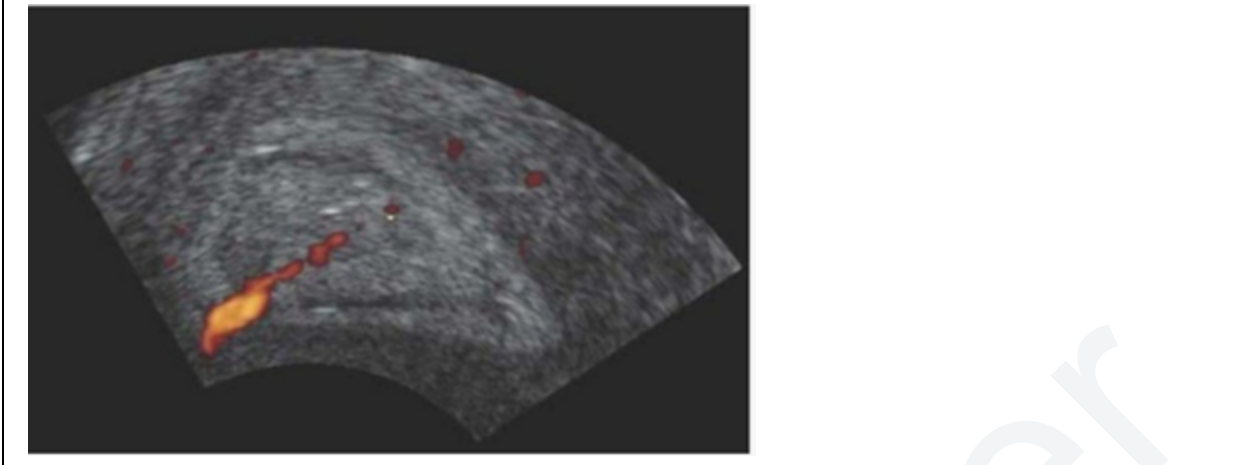
A 33 year old female patient comes with complaints of menorrhagia for the past 3 months. The duration and regularity of her menstrual cycles are normal. Non – hormonal management has been tried without success. What is the most appropriate next step?



O1: Uterine artery embolization
O2: Endometrial ablation
O3: Hormonal therapy
O4: Hysterectomy
Ans: 3

Ques No: 55 Subject: Ophthalmology Topic: Neuro Ophthalmology Sub-Topic: Photostress test is used to differentiate between:
O1: Macula and optic nerve disease
O2: Cataract and glaucoma
O3: Lens and cornea
O4: Retina and vitreous pathologies
Ans: 1

Ques No: 56 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic: A 60 year old woman presented with post – menopausal bleeding. Ultrasonography revealed a mass with feeding vessel as shown in the image below. What is the most likely diagnosis?
O1: Fibroid uterus
O2: Endometrial polyp
O3: Endometrial carcinoma
O4: Leiomyosarcoma
Ans: 2



Ques No: 57

Subject: Ophthalmology

Topic: Retina

Sub-Topic:

Shifting fluid sign is seen in?

O1:

Exudative RD

O2:

Traction RD

O3:

Rhegmatogenous RD

O4:

Retinal dialysis

Ans: 1

Ques No: 58

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

A 35 year old primigravida who conceived after in vitro fertilization therapy came for an antenatal checkup at 38 weeks of gestation. Her obstetric history revealed that she was pregnant with DCDA twins. On examination, the first twin was found to be in a breech position and the maternal blood pressure was found to be greater than 140/90 mm Hg on two occasions with grade 1+ proteinuria. What should be done next?

O1:

Monitor BP and terminate pregnancy if BP rises

O2:

Immediate caesarean section

O3:

Terminate pregnancy at 40 weeks of gestation



O4:

Induce labour with PGE2 gel

Ans: 2

Ques No: 59

Subject: Pathology

Topic: Central Nervous System

Sub-Topic:

Which of the following is the correct statement regarding Huntington's chorea?

O1:

It is a trinucleotide repeat disorder

O2:

There is a loss of function type of mutation

O3:

There are abnormal repeats of CUG

O4:

Abnormality is seen due to mutation in chromosome 6

Ans: 1

Ques No: 60

Subject: Pathology

Topic: Gastrointestinal Tract

Sub-Topic:

Which of the following statements is true about the pathology of achalasia cardia?

O1:

Relaxation of lower esophageal sphincter

O2:

Defective peristalsis

O3:

Decreased release of No and VIP in the distal part of esophagus

O4:

Decreased tone of the lower esophageal sphincter

Ans: 3

Ques No: 61

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

Which of the following effects of puberty are not mediated by estrogen ?

O1:

Hair growth



O2: Cervical mucus secretion
O3: Vaginal cornification
O4: Menstruation
Ans: 1

Ques No: 62 Subject: Ophthalmology Topic: Squint / Strabismus Sub-Topic: A 40-year-old diabetic patient presented with the squint. On examination, the secondary deviation was found to be more than the primary deviation. Forced duction test is negative. Which of the following types of squint is most likely to be present in this patient?
O1: Comitant squint
O2: Restrictive squint
O3: Paralytic squint
O4: Pseudosquint
Ans: 3

Ques No: 63 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic: A 35 year old woman comes with complaints of warty lesions on the vulva. On examination, multiple warty growths on the vulva and around the anal canal are seen. This condition is most likely seen in?
O1: Condyloma accuminata
O2: Molluscum contagiosum
O3: Chancroid
O4: Herpes
Ans: 1



Ques No: 64

Subject: Ophthalmology

Topic: Squint / Strabismus

Sub-Topic:

A physician observed the following finding in a small child who came for an eye exam. This finding is associated with which of the following conditions?



O1:
Myopia

O2:
Astigmatism

O3:
Hyperopia

O4:
Emmetropia

Ans: 3

Ques No: 65

Subject: Ophthalmology

Topic: Ocular Injuries

Sub-Topic:

Sympathetic ophthalmia is seen after _____?

O1:
Penetrating trauma

O2:
Blunt trauma

O3:
Chemical injury

O4:
Urinary tract infection



Ans: 1

Ques No: 66

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A patient is planned to undergo hysteroscopic polypectomy using bipolar electrocautery. What is the ideal agent for distention ?

O1:

Glycine

O2:

Normal saline

O3:

CO₂

O4:

70% dextrose

Ans: 2

Ques No: 67

Subject: Pathology

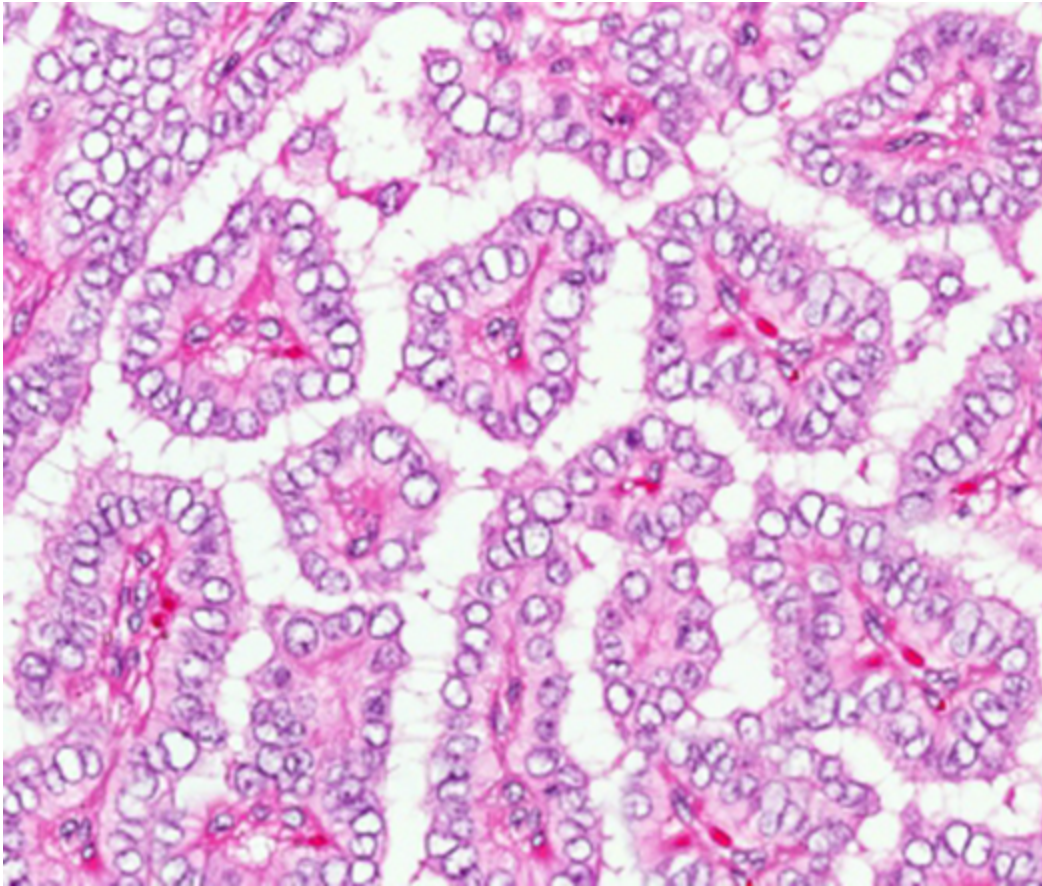
Topic: Endocrinology

Sub-Topic:

A patient presents with midline swelling in the neck Biopsy revealing Orphan Annie's eye nuclei is shown in the image below. What is the diagnosis?

O1:

Follicular carcinoma



O2:
Papillary carcinoma

O3:
Toxic nodular goitre

O4:
Medullary carcinoma

Ans: 2

Ques No: 68

Subject: Ophthalmology

Topic: Neuro Ophthalmology

Sub-Topic:

A patient presented with unilateral and bilateral abducent palsy. What is the most probable cause?

O1:
Retinoblastoma

O2:
Orbital pseudotumor

O3:
Orbital cellulitis

O4:

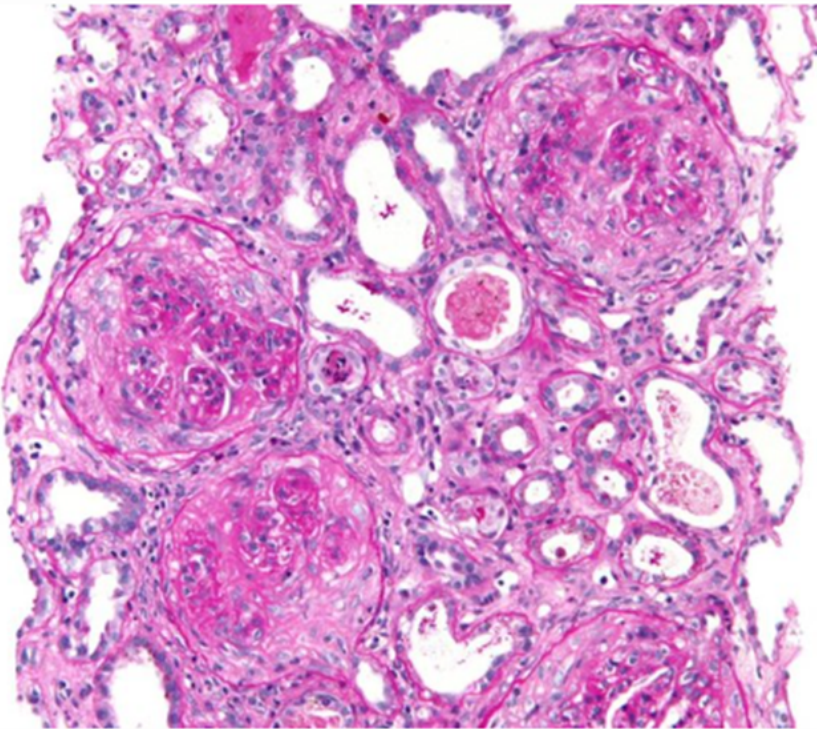
Cavernous sinus thrombosis

Ans: 4

Ques No: 69

Subject: Pathology**Topic:** Renal System**Sub-Topic:**

A 51-year-old male patient came with complaints of hematuria to the clinic. On examination, he was normotensive and had pedal edema. Investigations revealed the patient had no glycosuria and had a creatinine of 9. His renal biopsy is shown below. Which of the following investigation should be done to identify the disease?

**O1:**

ANA

O2:

Anti GBM antibodies

O3:

HIV RNA

O4:

Urine immunoelectrophoresis

Ans: 2

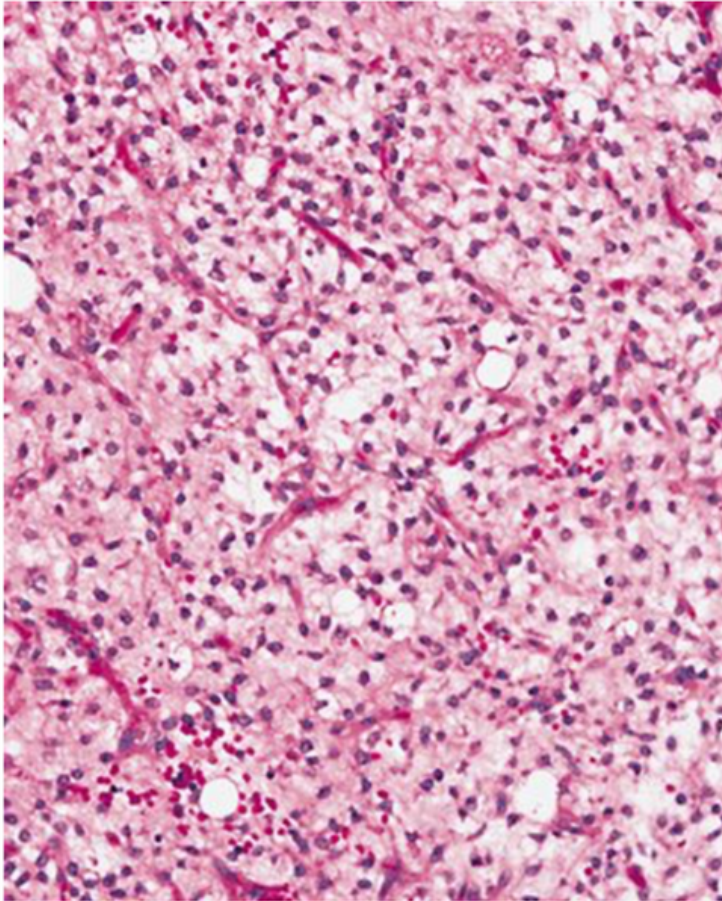
Ques No: 70

Subject: Pharmacology



Topic: Anticancer Drugs Sub-Topic:
Which of the following is an inhibitor of DNA synthesis?
O1: 6-mercaptopurine
O2: Mitomycin
O3: Actinomycin
O4: Asparaginase
Ans: 1

Ques No: 71 Subject: Pathology Topic: Bone Disorders Sub-Topic:
A 50-year-old man presented with a retroperitoneal mass. Biopsy from the lesion is shown in the image below. Molecular analysis revealed t (12,16). What is the most likely condition?
O1: Myxoid Liposarcoma
O2: Lipoma
O3: Spindle lipoma
O4: Polymorphic lipoma
Ans: 1



Ques No: 72

Subject: Pathology

Topic: CVS, Blood Vessels and Vasculitis

Sub-Topic:

Large, friable, irregular vegetations on heart valves are seen in which condition?

O1:

Infective endocarditis

O2:

Rheumatic heart disease

O3:

Libman Sacks endocarditis

O4:

Non-bacterial thrombotic carditis

Ans: 1

Ques No: 73

Subject: Pathology

Topic: Hematology: Red Blood Cells



Sub-Topic:

A 23-year-old male patient presented with a history of fatigue and tiredness. On investigation, he was found to have Hb = 9 gm% MCV = 101 FL. Peripheral smear examination showed macrocytic RBC and hypersegmented neutrophils. Which of the following is the most likely etiology?

O1:

Lead poisoning

O2:

Iron deficiency anemia

O3:

Hemolytic Anemia

O4:

Chronic alcoholism

Ans: 4

Ques No: 74

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A 52 year old woman diagnosed with carcinoma cervix stage 2B was advised radiotherapy. Which of the following statements regarding radiotherapy is false ?

O1:

Point B is 3 cm lateral to point A

O2:

Point A is 2 cm above the external os and 5cm lateral to the internal uterine canal

O3:

Point A receives a dose of 7000 cGy

O4:

Point B receives a dose of 6000 cGy

Ans: 2

Ques No: 75

Subject: Pathology

Topic: Gastrointestinal Tract

Sub-Topic:

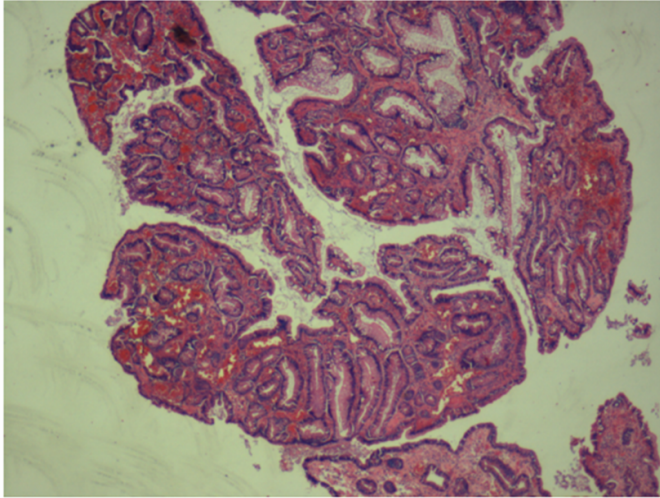
A 5-year-old child was admitted to the hospital with a history of prolapsing rectal mass and painless rectal bleeding. The histopathological image of the mass is shown below. What is the most likely diagnosis?

O1:

Peutz Jegher syndrome

O2:

Villous adenoma



O3:
Juvenile polyp

O4:
Tubular adenoma

Ans: 3

Ques No: 76

Subject: Pharmacology

Topic: Renal Pharmacology

Sub-Topic:

A patient on lithium developed hypertension. He was started on thiazides for hypertension. After few days, he developed coarse tremors and other symptoms suggestive of lithium toxicity. Explain the likely mechanism of this interaction

O1:
Thiazide inhibits the metabolism of lithium

O2:
Thiazides act as an add on drug to lithium

O3:
Thiazides increase the tubular resorption of lithium

O4:
Thiazides cause water loss thereby increase lithium levels

Ans: 3

Ques No: 77

Subject: Pharmacology

Topic: Antimicrobials : Anti Bacterial Drugs

Sub-Topic:

Which of the following should not be prescribed with theophylline?



O1: Erythromycin
O2: Cefotaxime
O3: Cotrimoxazole
O4: Amoxicillin
Ans: 1

Ques No: 78 Subject: Pharmacology Topic: Chemotherapy of Specific Microbial Diseases Sub-Topic: Which of the following drugs gets deposited in the cornea?
O1: Leflunomide
O2: Chloroquine
O3: Methotrexate
O4: Sulfasalazine
Ans: 2

Ques No: 79 Subject: Pathology Topic: Gastrointestinal Tract Sub-Topic: A 20-year-old patient presented to the clinic with a history of malabsorption, diarrhea, and poor appetite. A duodenal biopsy of the patient showed crypt hyperplasia, villi atrophy, and CD8+ cells in lamina propria. What is the most probable diagnosis?
O1: Environmental enteropathy
O2: Celiac disease
O3: Whipple's disease
O4: Chronic pancreatitis
Ans: 2



Ques No: 80

Subject: Forensic Medicine

Topic: Forensic Identificatio

Sub-Topic:

A deceased male was brought to the morgue for a post-mortem examination. His relatives reported that he had a tattoo over his skin, which was not found on examination. Which of the following structures would you examine?

O1:

Lymph nodes

O2:

Liver

O3:

Arteries

O4:

Skin

Ans: 1

Ques No: 81

Subject: Pharmacology

Topic: CNS Pharmacology

Sub-Topic:

A patient was prescribed an antipsychotic drug following which he developed parkinsonism. Which of the following drugs can be given?

O1:

Trihexyphenidyl

O2:

Entacapone

O3:

Rasagiline

O4:

Pramipexole

Ans: 1

Ques No: 82

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A woman with a history of infertility is on treatment with human menopausal gonadotropin. She presented with the following finding in the USG. What is the most likely diagnosis ?

O1:

Ovarian hyperstimulation syndrome

O2:



Theca lutein cyst

O3:

Polycystic ovarian syndrome

O4:

None

Ans: 1

Ques No: 83

Subject: Forensic Medicine

Topic: IPC Sections

Sub-Topic:

Which section of the IPC deals with the punishment of perjury?

O1:

191

O2:

192

O3:

193

O4:

197

Ans: 3

Ques No: 84

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

A lady who is 38 weeks pregnant comes to the OPD for a routine checkup. She has a history of normal twin delivery at term 4 years ago. What is her gravida and para score ?

O1:

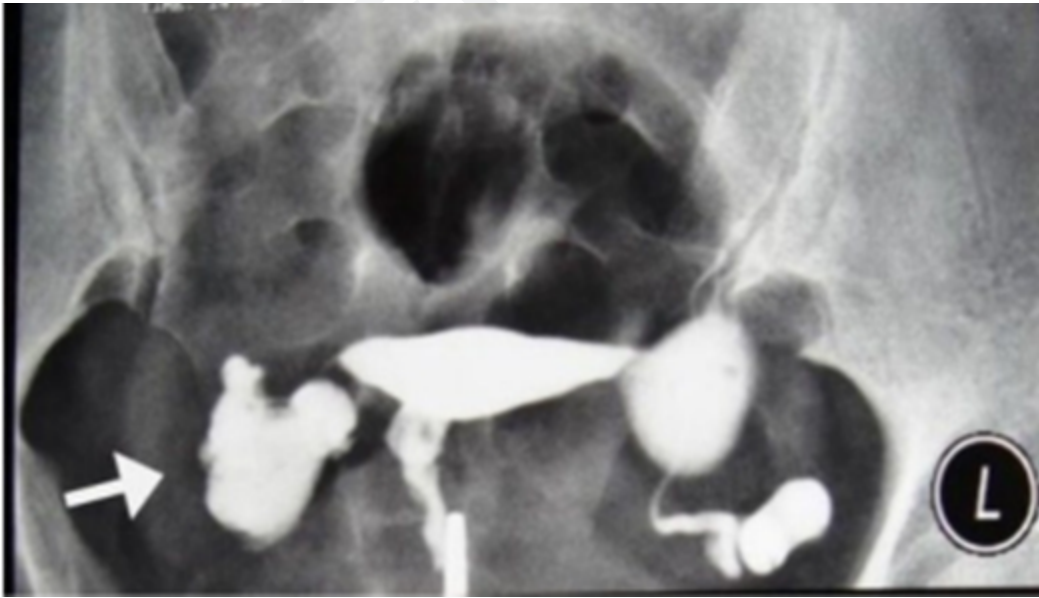
G2P2

O2:



G2P1
O3: G3P2
O4: G3P1
Ans: 2

Ques No: 85 Subject: Forensic Medicine Topic: Forensic Toxicology Sub-Topic: The most common drug which causes physical dependence is?
O1: Ketamine
O2: Heroin
O3: LSD
O4: Phencyclidine
Ans: 2

Ques No: 86 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic: Identify the finding seen in this hysterosalpingogram:




O1: Bilateral hydrosalpinx
O2: Extravasation into venous system
O3: Normal HSG
O4: Bilateral cornual block
Ans: 1

Ques No: 87 Subject: Pharmacology Topic: Respiratory Pharmacology Sub-Topic: Which of the following antiarrhythmic drugs is contraindicated in a patient with interstitial lung disease?
O1: Amiodarone
O2: Sotalol
O3: Quinidine
O4: Lignocaine
Ans: 1

Ques No: 88 Subject: Forensic Medicine Topic: Traces of Evidences Sub-Topic: A 5-year-old child with a history of perianal pain is brought to the OPD. On subjecting the specimen from the perianal region to a test, it produces yellow rhombic crystals of spermine picrate. What is the test done?
O1: Barberio test
O2: Florence test
O3: Takayama test
O4: Teichmann test
Ans: 1



Ques No: 89

Subject: Pharmacology

Topic: CVS Pharmacology

Sub-Topic:

Which of the following drugs acts by inhibiting the late sodium current in the heart?

O1:

Ivabradine

O2:

Ranolazine

O3:

Trimetazidine

O4:

Fasudil

Ans: 2

Ques No: 90

Subject: Pathology

Topic: CVS, Blood Vessels and Vasculitis

Sub-Topic:

A 3-year-old child was brought to the hospital with complaints of fever, rash and swelling of her hands and feet since past 5 days. There is desquamative skin rash, oedema of hands and feet, erythema of palms and soles, oral erythema, and cervical lymphadenopathy. What is the likely condition?

O1:

Kawasaki disease

O2:

Measles

O3:

Scarlet fever

O4:

Henoch Schonlein Purpura

Ans: 1

Ques No: 91

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Identify the maternal condition that can lead to the findings in the baby as shown below:



O1:
Pre-gestational diabetes

O2:
Gestational diabetes mellitus

O3:
Effect of valproate

O4:
Hypertensive of ACE inhibitors

Ans: 1




<p>Ques No: 92 Subject: Pathology Topic: Renal System Sub-Topic:</p>
<p>Effacement of podocyte foot processes is seen in which of the following diseases?</p>
<p>O1: Steroid-resistant glomerulonephritis</p>
<p>O2: Minimal Change Disease (MCD)</p>
<p>O3: Rapidly progressive glomerulonephritis</p>
<p>O4: Chronic glomerulonephritis</p>
<p>Ans: 2</p>

<p>Ques No: 93 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic:</p>
<p>A woman with endometrial carcinoma is undergoing radiotherapy. Which of the following is true?</p>
<p>O1: Intensity is inversely proportional to squared distance</p>
<p>O2: Small blood vessels are most radioresistant</p>
<p>O3: Rapidly proliferating cells are most radioresistant</p>
<p>O4: Small bowel is most radioresistant</p>
<p>Ans: 1</p>

<p>Ques No: 94 Subject: Pathology Topic: CVS, Blood Vessels and Vasculitis Sub-Topic:</p>
<p>Thrombosis is initiated by:</p>
<p>O1: Platelet activation</p>
<p>O2: Endothelial injury</p>
<p>O3:</p>



Coagulation cascade
O4: Vasoconstriction of vessels
Ans: 2

<p>Ques No: 95 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic:</p> <p>Identify the use of the instrument given below:</p> 
O1: For tubal ligation
O2: For ligation of uterine artery during hysterectomy
O3: Ovarian cystectomy
O4: Ectopic pregnancy
Ans: 1

<p>Ques No: 96 Subject: Forensic Medicine Topic: Sexual Jurisprudence Sub-Topic:</p> <p>In the case of rape of a young child, the hymen is usually?</p>
O1: Ruptured since it is superficially
O2: Ruptured since it is very thin
O3:



Unruptured since it is deeply situated
O4: Unruptured since it is highly elastic
Ans: 3

Ques No: 97 Subject: Pharmacology Topic: ANS Pharmacology Sub-Topic:
A patient with diabetes and COPD developed postoperative urinary retention. Which of the following drugs can be used for short-term treatment of the condition?
O1: Tamsulosin
O2: Bethanechol
O3: Terazosin
O4: Methacholine
Ans: 2

Ques No: 98 Subject: Pathology Topic: Endocrinology Sub-Topic:
A middle-aged woman presents with thyroid swelling. Blood tests show elevated TSH levels and the presence of thyroid peroxidase antibodies. Histopathological examination revealed the presence of Hurthle cells. What is the most likely diagnosis?
O1: Hashimoto thyroiditis
O2: Graves' disease
O3: Follicular carcinoma
O4: Medullary carcinoma of thyroid
Ans: 1

Ques No: 99 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic:
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All of the following are contraceptive methods used post – coitus except:
O1: Danazol
O2: CuT200
O3: RU486
O4: Combined high dose estrogen – progestin pills
Ans: 1

Ques No: 100 Subject: Pathology Topic: Hematology: Red Blood Cells Sub-Topic: A 52-year-old male patient comes with complaints of abdominal pain, nausea, and vomiting. A peripheral blood smear reveals macrocytes and hypersegmented neutrophils and an endoscopy reveals atrophic gastritis. Which of the following conditions is likely to be seen this patient?
O1: Vitamin B12 deficiency
O2: Folate deficiency
O3: Pyridoxine deficiency
O4: Niacin deficiency
Ans: 1

Ques No: 101 Subject: Forensic Medicine Topic: Medical Jurisprudence Sub-Topic: In the civil negligence case against a doctor who bears the onus of proof?
O1: Patient
O2: Police not under rank of sub-inspector
O3: Magistrate
O4:



Doctor
Ans: 1

<p>Ques No: 102 Subject: Medicine Topic: Endocrinology Sub-Topic:</p> <p>A patient came to the hospital with complaints of lethargy, increased sleep, and weight gain. Investigations revealed low plasma TSH concentration. However, on the administration of TRH, the TSH levels increased. Which of the conditions is likely in this patient?</p>
O1: Hyperthyroidism due to primary thyroid disease
O2: Hypothyroidism due to disease in the pituitary
O3: Hypothyroidism due to disease in the hypothalamus
O4: Hyperthyroidism due to disease in the pituitary
Ans: 2

<p>Ques No: 103 Subject: Pathology Topic: Breast Pathology Sub-Topic:</p> <p>A 35-year-old woman presents with a lump in the upper outer quadrant of her breast. Histopathological examination of the mass showed cells in mucin pools and faint nuclei. What is the most likely diagnosis?</p>
O1: Colloid carcinoma
O2: Papillary carcinoma
O3: Medullary carcinoma
O4: Lobular carcinoma
Ans: 1

<p>Ques No: 104 Subject: Orthopaedics Topic: Arthritis Sub-Topic:</p> <p>A patient presented with pain in the hand. The joints involved were proximal interphalangeal</p>
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joint, distal interphalangeal joint and first carpometacarpal joint. The wrist and metacarpophalangeal joints were spared. What is the likely diagnosis?
O1: Osteoarthritis
O2: Rheumatoid arthritis
O3: Psoriatic arthritis
O4: Pseudogout
Ans: 1

Ques No: 105 Subject: Orthopaedics Topic: Sports Injuries Sub-Topic: A maid is playing with a child by spinning him while holding his hands. A few hours later, the child starts crying, does not use his arm, and does not let anybody touch him. What is the possible diagnosis?
O1: Pulled elbow
O2: Olecranon fracture
O3: Fracture head of radius
O4: Elbow dislocation
Ans: 1

Ques No: 106 Subject: Pharmacology Topic: Autacoids Sub-Topic: Which of the following drugs is used for the treatment of motion sickness?
O1: Cetirizine
O2: Promethazine
O3: Misolastin
O4:



Loratidine
Ans: 2

Ques No: 107 Subject: Orthopaedics Topic: Spine + Pelvis + Lower Limb Traumatology Sub-Topic:
A patient was admitted to ICU 48 hours after the fracture of the femur. The saturation of oxygen in the rebreathing unit was 100% but his SpO2 remained 60%. The patient was in a state of confusion. Chest radiograph showed lung fields to be clear. What is the most likely diagnosis?
O1: Pulmonary embolism
O2: Fat embolism
O3: ARDS
O4: Occult pneumothorax
Ans: 2

Ques No: 108 Subject: Medicine Topic: Liver Sub-Topic:
What is the child-Turcotte-Pugh class for the patient who has a serum bilirubin 2.5 mg/dl, serum albumin 3 g/dl, prothrombin time 5 seconds (INR =2), no encephalopathy, and mild ascites?
O1: Class A
O2: Class B
O3: Class C
O4: Class D
Ans: 2

Ques No: 109 Subject: Pharmacology Topic: GIT Pharmacology Sub-Topic:



Which of the following is not a prokinetic?
O1: 5HT4 agonist
O2: Dopamine antagonist
O3: Motilin
O4: Diphenylmethane
Ans: 4

Ques No: 110 Subject: Pediatrics Topic: Pediatric Neurology Sub-Topic:
Two girls in the same class are diagnosed with meningococcal meningitis. Their 12-year old friend from the same school is afraid of contracting the disease. What advice should be given to the exposed students?
O1: Two doses of polysaccharide vaccine
O2: Antibiotic prophylaxis
O3: Two doses of conjugate vaccine
O4: Single dose of meningococcal vaccine
Ans: 2

Ques No: 111 Subject: Medicine Topic: Neurology Sub-Topic:
An elderly woman is brought to the OPD with complaints of behavioural change, a history of multiple falls, urinary incontinence, and dementia. What is your diagnosis?
O1: Normal pressure hydrocephalus
O2: Frontotemporal dementia
O3: Parkinson disease
O4: Creutzfeldt-Jakob disease



Ans: 1

Ques No: 112

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

A 60-year-old male patient who is a known case of COPD presented with acute exacerbation and is admitted to the ICU. Which of the following statements is correct with regards to the initial management of this patient?

O1:

Non-invasive PPV should be given

O2:

Invasive PPV should be given

O3:

IV corticosteroids should be administered

O4:

Permissive hypercapnia is allowed

Ans: 1

Ques No: 113

Subject: Pharmacology

Topic: Endocrine Pharmacology

Sub-Topic:

Which of the following is used in the first-line management of postmenopausal osteoporosis?

O1:

Estrogen

O2:

Bisphosphonates

O3:

Raloxifene

O4:

Combined oral contraceptives

Ans: 2

Ques No: 114

Subject: Pediatrics

Topic: Nutrition and Malnutrition

Sub-Topic:

A laborer's second child is brought to the OPD with a swollen belly and dull face. He has been fed rice water (rice milk) in his diet mostly. On investigations, the child is found to have low serum protein and low albumin. What is the probable diagnosis?

O1:



Kwashiorkor
O2: Marasmus
O3: Indian childhood cirrhosis
O4: Kawasaki disease
Ans: 1

Ques No: 115 Subject: Medicine Topic: Hematology Sub-Topic: Thrombocytopenia, eczema and recurrent infections are seen in:
O1: Wiskott-Aldrich syndrome
O2: Chediak-Higashi syndrome
O3: Thrombocytopenia – absent radius syndrome
O4: Hermansky-Pudlak syndrome
Ans: 1

Ques No: 116 Subject: Pathology Topic: Gastrointestinal Tract Sub-Topic: Which of the following is true about the pathogenesis of Hirschsprung disease?
O1: Failure of migration of neural crest cells
O2: Loss of ganglion cells
O3: Visceral myopathy
O4: Obstruction by inflammatory stricture
Ans: 1

Ques No: 117 Subject: Pediatrics Topic: Infectious Diseases

Sub-Topic:

A 3-year-old male has the following buccal mucosa finding. After three days, he presents to your OPD with a rash. What is your diagnosis?



O1:
Measles

O2:
Leukoplakia

O3:
Scarlet fever

O4:
Kawasaki disease

Ans: 1

Ques No: 118

Subject: Medicine

Topic: Rheumatology / Connective Tissue Disorder

Sub-Topic:

Which among the following is more common in limited cutaneous systemic sclerosis when compared to diffuse cutaneous systemic sclerosis?

O1:
Esophageal dysmotility

O2:
Myopathy

O3:



Interstitial lung disease
O4: Scleroderma renal crisis
Ans: 1

Ques No: 119 Subject: Pediatrics Topic: Pediatric Gastroenterology Sub-Topic:
The greenish-black color of the first stool in the newborn is due to?
O1: Bilirubin
O2: Biliverdin
O3: Meconium
O4: Gut flora of neonate
Ans: 2

Ques No: 120 Subject: Medicine Topic: Cardiology Sub-Topic:
Water hammer pulse is seen in which of the following conditions?
O1: Aortic stenosis
O2: Aortic regurgitation
O3: Aortic stenosis and aortic regurgitation
O4: Mitral regurgitation
Ans: 2

Ques No: 121 Subject: Pharmacology Topic: Antimicrobials : Anti Bacterial Drugs Sub-Topic:
What is the mechanism of resistance by lactamases to β -lactam antibiotics?
O1:



Alteration of penicillin binding protein
O2: Degradation of antibiotics
O3: Drug efflux
O4: Alteration in 50s ribosome structure
Ans: 2

Ques No: 122 Subject: Pediatrics Topic: Infectious Diseases Sub-Topic: Maternal antibodies that do not provide significant immunity in a neonate?
O1: Tetanus
O2: Polio
O3: Diphtheria
O4: Measles
Ans: 2

Ques No: 123 Subject: Pharmacology Topic: CNS Pharmacology Sub-Topic: A female patient is on first-line pharmacological therapy for bipolar disorder for 6 months. She is fasting for a few days due to religious reasons and presented with seizures, coarse tremors, confusion, and weakness of limbs. Which of the following investigations should be done to help diagnose her condition?
O1: Serum potassium level
O2: Serum lithium level
O3: ECG
O4: MRI
Ans: 2



<p>Ques No: 124 Subject: Pathology Topic: Cell Injury Sub-Topic:</p>
<p>Premature aging in Werner syndrome is due to:</p>
<p>O1: Increased telomerase activity</p>
<p>O2: Defect in DNA helicase</p>
<p>O3: Increase in length telomere due to decrease in telomerase activity</p>
<p>O4: None of above</p>
<p>Ans: 2</p>

<p>Ques No: 125 Subject: Pediatrics Topic: Infectious Diseases Sub-Topic:</p>
<p>Anuj has been diagnosed with diphtheria and is being treated in the ward. His 3-year-old brother, Ajay who lives in the same house has received vaccination against diphtheria about 16 months back. What is the next best step for the management of the younger sibling, Ajay?</p>
<p>O1: One booster dose</p>
<p>O2: Nothing as the child is already exposed</p>
<p>O3: Erythromycin + diphtheria toxoid</p>
<p>O4: Erythromycin only</p>
<p>Ans: 4</p>

<p>Ques No: 126 Subject: Pharmacology Topic: Autacoids Sub-Topic:</p>
<p>Pegloticase is used in management of:</p>
<p>O1: Chronic gout</p>
<p>O2: Rheumatoid arthritis</p>
<p>O3:</p>



Psoriatic arthritis
O4: Calcium pyrophosphate dehydrate crystal deposition (CPPD)
Ans: 1

Ques No: 127 Subject: Pathology Topic: Central Nervous System Sub-Topic: A 24-year-old presented with swelling in the wrist joint. Histopathological examination of the swelling revealed spindle cells with palisading of the nuclei and Verocay bodies. Which of the following is the most likely condition?
O1: Schwannoma
O2: Neurofibroma
O3: Neurofibroma
O4: Glioma
Ans: 1

Ques No: 128 Subject: Medicine Topic: Pulmonology Sub-Topic: The arterial blood gas analysis findings of a patient are as follows: pH=7.30, HCO ₃ =10 mEq/L, paCO ₂ = 30 mmHg, which is suggestive of a partially compensated metabolic acidosis. What is the mechanism for the secondary disorder?
O1: Hypoventilation causing decreased CO ₂ washout
O2: Hyperventilation causing decreased CO ₂ washout
O3: Increased tubular reabsorption of HCO ₃ ⁻
O4: Increased excretion of H ⁺
Ans: 1

Ques No: 129 Subject: Pharmacology Topic: Chemotherapy of Specific Microbial Diseases



Sub-Topic:
Which of the following is an inhibitor of RNA synthesis?
O1: 5-Fluorouracil
O2: Rifampicin
O3: Nitrofurantoin
O4: Novobiocin
Ans: 2

Ques No: 130 Subject: Pharmacology Topic: Antimicrobials : Anti Bacterial Drugs Sub-Topic:
Which of the following fluoroquinolone is not given in liver disease?
O1: Ofloxacin
O2: Levofloxacin
O3: Pefloxacin
O4: Lomefloxacin
Ans: 4

Ques No: 131 Subject: Pharmacology Topic: Respiratory Pharmacology Sub-Topic:
Theophylline causes diuresis by:
O1: Adenosine agonism
O2: PDE 4 inhibition
O3: Beta 2 agonism
O4: PDE 3 inhibition
Ans: 4



Ques No: 132

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

Which of the following is seen in pituitary apoplexy?

O1:

Hypertension

O2:

Shock

O3:

Unconsciousness

O4:

Fatigue

Ans: 2

Ques No: 133

Subject: Pathology

Topic: Immunity

Sub-Topic:

B-cells are induced to produce IgE by which of the following:

O1:

IL-2

O2:

IL-4

O3:

IL-1

O4:

IL-6

Ans: 2

Ques No: 134

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

A 20-year-old man presents to the emergency department with respiratory distress and hypotension following a trauma. He has subcutaneous emphysema and there is an absence of air entry into the right side of the lungs. What is the next best step?

O1:

Start IV fluids with large bore cannula

O2:

Needle decompression into the 5th intercostal space anterior to the midaxillary line



O3:

Take the patient to the ICU and intubate him

O4:

Start positive pressure ventilation

Ans: 2

Ques No: 135

Subject: Medicine

Topic: Rheumatology / Connective Tissue Disorder

Sub-Topic:

Which of the following is true about polyarteritis nodosa?

O1:

Necrotising inflammation of large vessels

O2:

Patient has hypogammaglobulinemia

O3:

90% is associated with ANCA positivity

O4:

30% is associated with Hepatitis B

Ans: 4

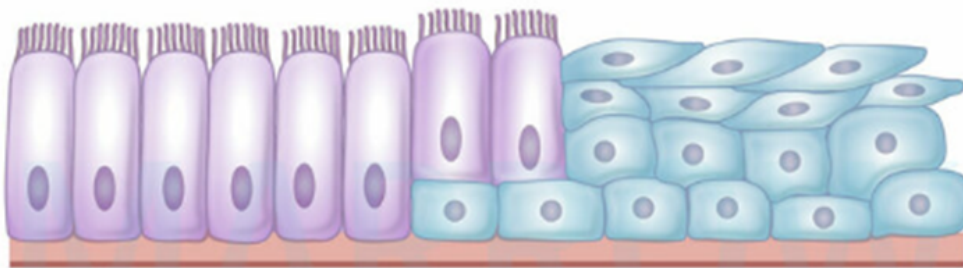
Ques No: 136

Subject: Pathology

Topic: Cell Injury

Sub-Topic:

The lining epithelium of the respiratory tract of a middle-aged man who is a chronic smoker shows a change from columnar to stratified squamous epithelium, as depicted in the image below. The change is called



O1:

Dysplasia

O2:

Hypertrophy



O3: Atrophy
O4: Metaplasia
Ans: 4

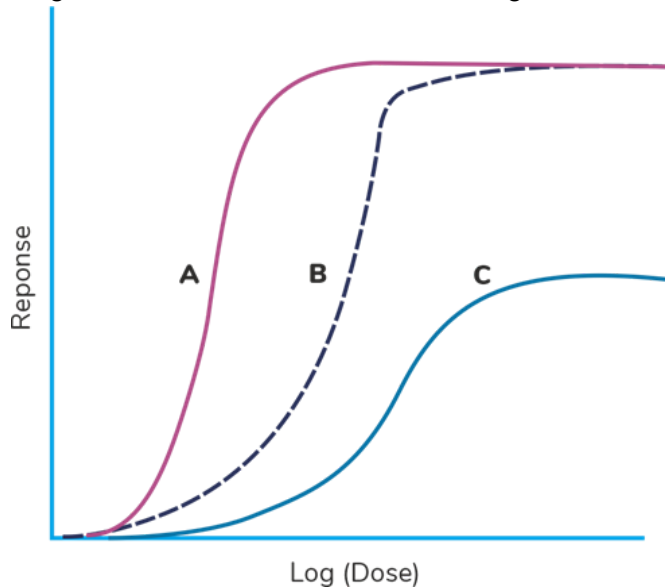
Ques No: 137 Subject: Medicine Topic: Neurology Sub-Topic: Which type of aphasia is seen in the lesions of the posterior part of the superior temporal gyrus?
O1: Fluent
O2: Non fluent
O3: Anomic
O4: Conduction
Ans: 1

Ques No: 138 Subject: Pathology Topic: Immunity Sub-Topic: Graft from identical twin is called:
O1: Allograft
O2: Allograft
O3: Isograft
O4: Xenograft
Ans: 3

Ques No: 139 Subject: Pharmacology Topic: General Pharmacology Sub-Topic:



The graph below shows the relationship between the log (dose) and the response of three drugs, A, B, and C. Which of these drugs has the highest potency?



O1:

A

O2:

B

O3:

Both A and B

O4:

C

Ans: 1

Ques No: 140

Subject: Medicine

Topic: Cardiology

Sub-Topic:

A 70-year-old man with a known history of DM and HTN on regular medications presents with a history of progressively worsening dyspnoea on exertion. On examination, there's elevated JVP, positive hepatojugular reflux, crackles at the lung bases, hepatomegaly, ascites and pedal oedema. What is your provisional diagnosis?

O1:

Heart failure

O2:

Hypertrophic cardiomyopathy

O3:

Mitral regurgitation

O4:

Portal hypertension



Ans: 1

Ques No: 141

Subject: Medicine

Topic: Rheumatology / Connective Tissue Disorder

Sub-Topic:

The slowing of conduction in multiple sclerosis is due to which of the following?

O1:

Gliososis

O2:

Loss of myelin sheath

O3:

Defect at node of Ranvier

O4:

Leaky Na⁺ channel

Ans: 2

Ques No: 142

Subject: Pharmacology

Topic: Autacoids

Sub-Topic:

A patient presented with biliary colic. The intern has administered an analgesic, following which the pain got aggravated. Which of the following could be responsible for the aggravation of the patient's symptoms?

O1:

Morphine

O2:

Diclofenac

O3:

Nefopam

O4:

Etoricoxib

Ans: 1

Ques No: 143

Subject: Medicine

Topic: GIT

Sub-Topic:

A 15-year-old girl presented with fatigue, chronic diarrhoea, weight loss, bone pain and abdominal distension. Investigations revealed iron deficiency anaemia and osteoporosis. Which of the following is the single best test to be done for her evaluation?

O1:



TSH levels
O2: C-peptide levels
O3: Urine sugar and ketone
O4: IgA tissue transglutaminase antibody
Ans: 4

Ques No: 144 Subject: Medicine Topic: Pulmonology Sub-Topic: A 55-year-old male presented with tachypnea and mental confusion. His blood sugar is 350mg/dl, pH-7.2, HCO ₃ -10, pCO ₂ -30. What is the metabolic abnormality?
O1: Metabolic alkalosis
O2: Metabolic acidosis
O3: Respiratory alkalosis
O4: Respiratory acidosis
Ans: 2

Ques No: 145 Subject: Pharmacology Topic: CVS Pharmacology Sub-Topic: A patient with gout develops hypertension. The uric acid level was found to be elevated. Which of the following is not administered?
O1: Hydrochlorothiazide
O2: Atenolol
O3: Enalapril
O4: Prazosin
Ans: 1

Ques No: 146



Subject: Pediatrics
Topic: Nutrition and Malnutrition
Sub-Topic:

According to current recommended dietary guidelines for children, energy from saturated fats should be _____ of total energy intake.

O1:
< 10%

O2:
< 5%

O3:
< 15%

O4:
< 30%

Ans: 1

Ques No: 147
Subject: Medicine
Topic: Hematology
Sub-Topic:

A ten-year-old boy was brought to the OPD with fever and swelling of hands after playing football. He gives a history of previous episodes of swelling of hands. On imaging, his spleen was found to be shrunken. Which of the following is a likely diagnosis?

O1:
Sickle cell anaemia

O2:
Malaria

O3:
Pancreatitis

O4:
Measles

Ans: 1

Ques No: 148
Subject: Pediatrics
Topic: Inborn Errors of Metabolism
Sub-Topic:

A 3-year-old girl was brought by her mother with complaints of enlarged clitoris. Karyotype revealed 46XX. What is the likely cause?

O1:
21 hydroxylase deficiency

O2:
11 hydroxylase deficiency



O3: 3 beta dehydrogenase deficiency
O4: 2, 3 lyase deficiency
Ans: 1

Ques No: 149 Subject: Medicine Topic: Pulmonology Sub-Topic: A 53-year-old woman underwent hip replacement surgery. A week after the surgery, the patient developed swelling of the legs associated with pain on palpation. Her heart rate is 70 beats per min. There is no history of hemoptysis or significant weight loss. There is no previous history of pulmonary embolism. What is the risk of developing pulmonary embolism in the patient based on Well's score?
O1: Low
O2: High
O3: Moderate
O4: Cannot comment without d-dimer values
Ans: 2

Ques No: 150 Subject: Pediatrics Topic: Pediatric Gastroenterology Sub-Topic: A newborn is brought with evisceration of bowel loops from a defect in the abdominal wall to the right of the umbilicus. The most probable diagnosis is
O1: Omphalocele
O2: Umbilical hernia
O3: Gastrochisis
O4: Ectopia vesicae
Ans: 3

Ques No: 151



Subject: Pathology Topic: CVS, Blood Vessels and Vasculitis Sub-Topic:
Histology of reperfused myocardium:
O1: Wavy fibres
O2: Neutrophils in cardiac muscle
O3: Swelling of cells
O4: Eosinophilic contraction band
Ans: 4

Ques No: 152 Subject: Pathology Topic: Genetics Sub-Topic:
All α -trans retinoic acid is used in the treatment of tumor that is associated with which of the following genetic aberrations?
O1: PML-RARA
O2: BCR ABL
O3: cMYC
O4: RUNX 1 ETO
Ans: 1

Ques No: 153 Subject: Medicine Topic: Emergency Medicine Sub-Topic:
The recommended temperature of water bath for a patient with frost bite is—
O1: 42 degree C
O2: 37 degree C
O3: 32 degree C

O4:
30 degree C

Ans: 1

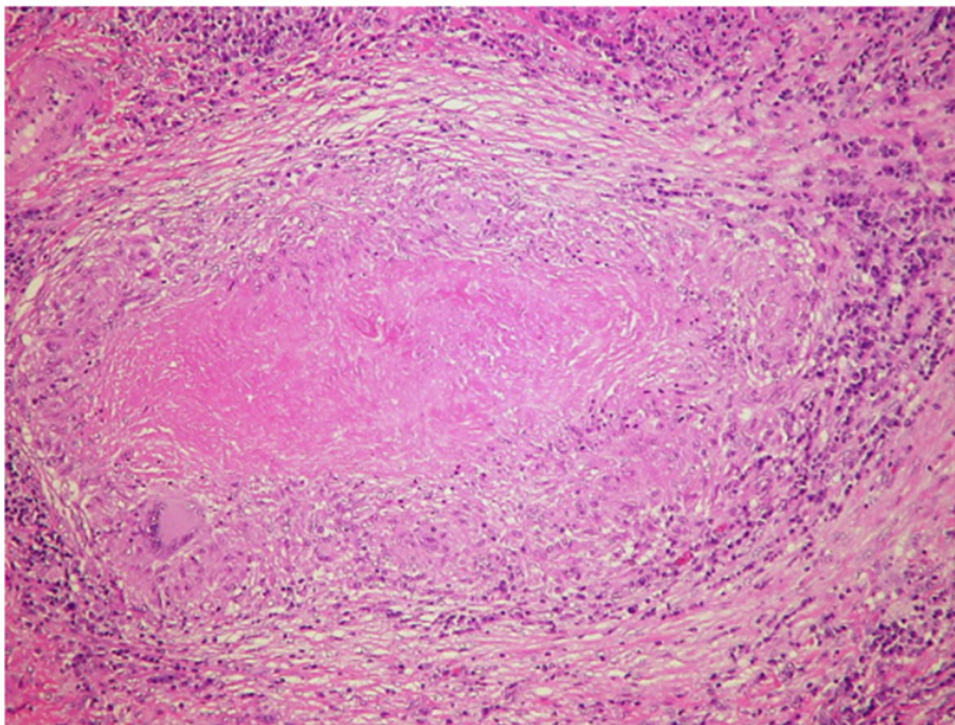
Ques No: 154

Subject: Pathology

Topic: Respiratory System

Sub-Topic:

A 12 year-old child presented with 15 days of cough. On examination, cervical lymphadenopathy was noted and the lymph node biopsy showed the following features. What is the most probable diagnosis?



O1:
Tuberculosis

O2:
Leprosy

O3:
Sarcoidosis

O4:
Syphilis

Ans: 1

Ques No: 155

Subject: Psychiatry



Topic: Substance-Related and Addictive Disorders

Sub-Topic:

A 25-year-old male presented to the clinic with a complaint of the feeling of insects crawling under his skin. Which of the following drug abuse can cause the symptoms of this patient?

O1:

Cannabis

O2:

Cocaine

O3:

Amphetamine

O4:

Alcohol

Ans: 2

Ques No: 156

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

A mutation in the gene for aquaporin channel leads to which of the following conditions?

O1:

Liddle's syndrome

O2:

Nephrogenic DI

O3:

Cystic fibrosis

O4:

Barter syndrome

Ans: 2

Ques No: 157

Subject: Psychiatry

Topic: Mood Disorders

Sub-Topic:

A 60-year-old male who lost his wife 3 months back complains that his intestines have become rotten. He feels responsible for his wife's death and should be sent to prison. He complains of feeling low all the time and has lost interest in daily activities since his wife's death. What is the most likely diagnosis?

O1:

Normal grief reaction

O2:

Psychotic depression

O3:



Delusional disorder
O4: Schizophrenia
Ans: 2

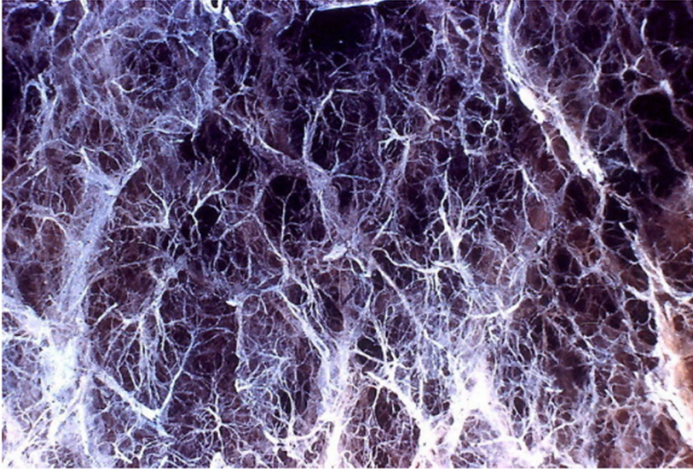
Ques No: 158 Subject: Pharmacology Topic: Chemotherapy of Specific Microbial Diseases Sub-Topic: Voriconazole is not effective against which of the following?
O1: Candida albicans
O2: Mucormycosis
O3: Candida tropicalis
O4: Aspergillosis
Ans: 2

Ques No: 159 Subject: Psychiatry Topic: Mood Disorders Sub-Topic: What is the treatment of choice for postpartum blues?
O1: Fluoxetine
O2: Cognitive behavioral therapy
O3: Lithium carbonate
O4: Support and Education
Ans: 4

Ques No: 160 Subject: Medicine Topic: Cardiology Sub-Topic: Which of the following is not a radiological finding in a patient with left heart failure?
O1:



Kerley b lines
O2: Focal oligemia
O3: Increased venous blood in lung
O4: Change in upper lobe circulation
Ans: 2

<p>Ques No: 161 Subject: Pathology Topic: Respiratory System Sub-Topic:</p> <p>A 30-year-old woman with a long history of dyspnea, chronic cough with sputum and wheezing died of respiratory failure following a bout of lobar pneumonia. She was not a smoker or an alcoholic. The lung at autopsy is shown in the image below. Which of the following is most likely to cause the pathological changes shown?</p> 
O1: Alpha-1- antitrypsin deficiency
O2: Cystic fibrosis
O3: Mutation in dynein arms
O4: Antibodies against type-IV collagen
Ans: 1

<p>Ques No: 162 Subject: Pharmacology Topic: Renal Pharmacology</p>



Sub-Topic:
A patient who was diagnosed with ADPKD was prescribed tolvaptan. After a few weeks, he presented with a dry mouth and increased thirst. What is the likely cause?
O1: Increased free water clearance
O2: V2 receptor agonism
O3: Increased renal cAMP levels
O4: Increase in urine osmolality
Ans: 2

Ques No: 163 Subject: Medicine Topic: Cardiology Sub-Topic:
A 60 year old man presented with an episode of acute onset dizziness and loss of consciousness which lasted for a few seconds followed by a regain of full consciousness. There were no similar episodes in the past. Which of the following is a true statement regarding this scenario?
O1: ECG to rule out atrial fibrillation
O2: If ECG is normal, CT scan should be done
O3: Tilt-table testing
O4: Vestibular neuritis is a possible condition that can cause these symptoms
Ans: 1

Ques No: 164 Subject: Anaesthesia Topic: Pre-Anaesthetic Evaluation Sub-Topic:
Which of the following investigations provides the most accurate prognostic information with respect to predicting risk of perioperative cardiac complications?
O1: Exercise ECG testing
O2: Dobutamine stress echocardiography
O3:

Myocardial perfusion scintigraphy

O4:

Coronary angiography

Ans: 2

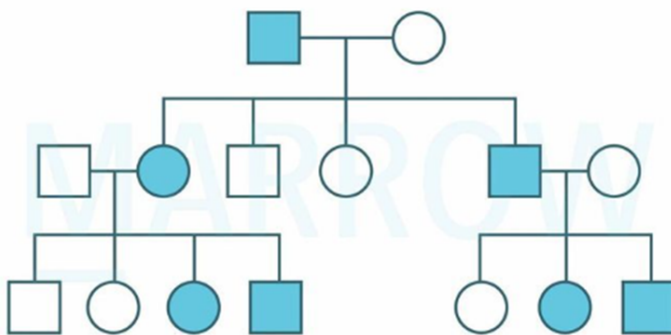
Ques No: 165

Subject: Pathology

Topic: Genetics

Sub-Topic:

A 6-foot 5-inch man undergoing a routine physical examination was found to have an early diastolic murmur. His family pedigree chart is given below. Identify the mode of inheritance of this condition.



O1:

Autosomal dominant

O2:

Autosomal recessive

O3:

X-linked

O4:

X-linked

Ans: 1

Ques No: 166

Subject: Physiology

Topic: Respiratory System

Sub-Topic:

A person develops headache and breathlessness on a trekking expedition following a rapid ascent to over 3000 meters above the sea level. Which of the following is not used in the treatment of this condition?

O1:

IV digoxin

O2:



Immediate descent
O3: Administration of oxygen
O4: Tablet acetazolamide
Ans: 1

Ques No: 167 Subject: Psychiatry Topic: Sleep Disorders Sub-Topic: A 25-year-old woman complains of a creepy crawling sensation in her legs. It is more at night and prevents her from sleeping. She is relieved of these symptoms by either walking or moving her legs. Which of the following drugs is used in treating the condition?
O1: Gabapentin
O2: Pramipexole
O3: Vitamin B12
O4: Iron tablets
Ans: 1

Ques No: 168 Subject: Medicine Topic: Endocrinology Sub-Topic: A 12-year-old child who is known to have type 1 diabetes mellitus presents with confusion and drowsiness. Her mother says that she seems to be breathing very fast. On examination, mucous membranes are dry and blood pressure is 70/50 mmHg. Random blood glucose is 415 mg/dl and urine ketones are 4+. What is the next best step in management?
O1: 2-3 L of normal saline over 1-3 hours
O2: Insulin infusion at 0.1 units/kg/hour
O3: Arterial blood gas
O4: Insulin bolus of 0.1 units/kg given
Ans: 3



Ques No: 169

Subject: Radiology

Topic: Gastrointestinal Radiology

Sub-Topic:

A 56-year-old female patient presented with progressive dysphagia for solids, loss of weight, and loss of appetite. A barium swallow done is given below. What is the most probable diagnosis?



O1:

Carcinoma esophagus

O2:

Diffuse esophageal spasm

O3:

Esophageal leiomyoma

O4:

Esophageal web

Ans: 1

Ques No: 170

Subject: Physiology

Topic: Endocrine and Reproductive System

Sub-Topic:

Prolactin level is highest during?

O1:

24 hours after ovulation

O2:

24 hours after delivery



O3:
REM sleep

O4:
After running four 1 hours

Ans: 2

Ques No: 171

Subject: Psychiatry

Topic: Neurotic, Stress-Related and Somatoform Disorders

Sub-Topic:

A first-year MBBS student came to OPD with intermittent episodes of a feeling of impending doom accompanied by intense perspiration. Usually, the attacks occur prior to her exams. What is the most likely diagnosis?

O1:
Panic disorder

O2:
Conversion disorder

O3:
Social anxiety disorder

O4:
Generalized anxiety disorder

Ans: 1

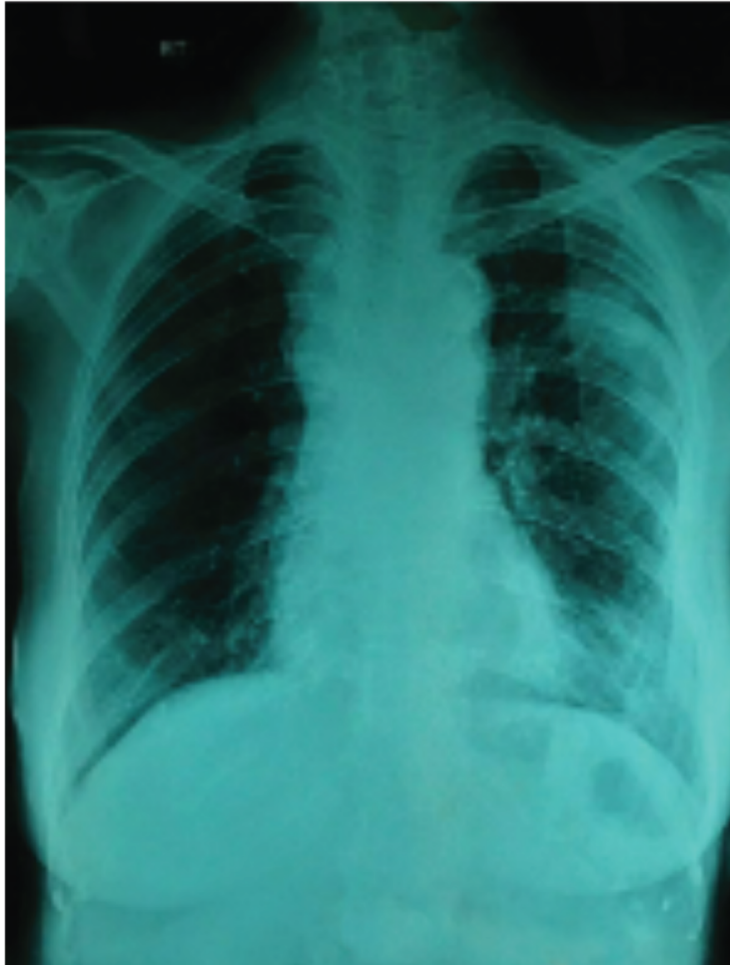
Ques No: 172

Subject: Radiology

Topic: Thoracic Radiology

Sub-Topic:

A 30-year-old woman presented with hypertension, chest pain, and cramping of the legs. A chest radiograph was taken which revealed the condition as shown in the image below. What is the likely cause of hypertension in this patient?



O1:
Coarctation of aorta

O2:
Essential hypertension

O3:
Aortic aneurysm

O4:
Aorta-arteritis

Ans: 1

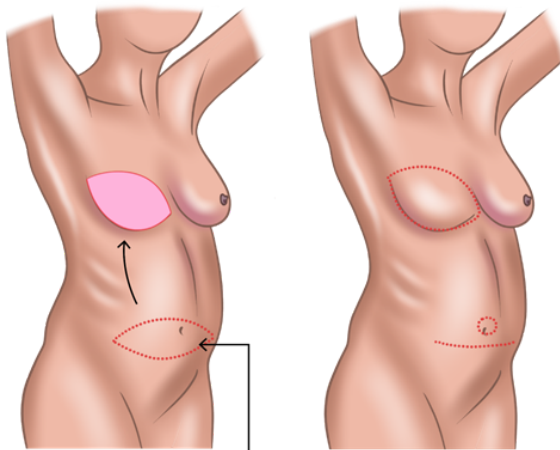
Ques No: 173

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

Which of the following is true about the flap given in the image?



Skin and fat moved to chest

O1:
Pedicled TRAM based on superior epigastric artery

O2:
Free TRAM based on superior and inferior epigastric artery

O3:
DIEP based on deep inferior epigastric artery

O4:
Lower Abdominal Fat based inferior epigastric vessels

Ans: 3

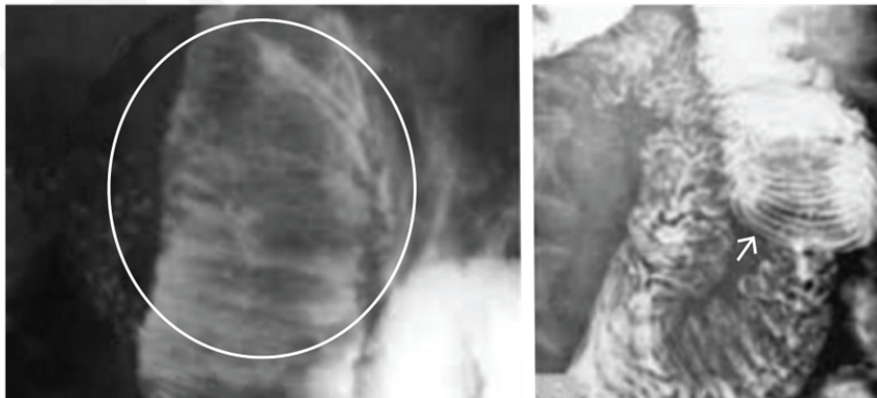
Ques No: 174

Subject: Radiology

Topic: Gastrointestinal Radiology


Sub-Topic:

A 51-year-old man complains of abdominal pain and blood-stained stools. The barium study of his intestines shows the following finding. What is the most likely diagnosis?



O1:

Intussusception
O2: Volvulu
O3: Diverticulitis
O4: Ulcerative coliti
Ans: 1

<p>Ques No: 175 Subject: Dermatology Topic: Mycobacterial Infections Sub-Topic:</p> <p>Identify the drug used to treat the condition shown below:</p> 
O1: Anti-fungal therapy
O2: Anti-tubercular therapy
O3: Topical steroids therapy
O4: Anti-leprosy treatment
Ans: 2



<p>Ques No: 176 Subject: Physiology Topic: Cardiovascular System Sub-Topic:</p>
<p>C wave of JVP represents?</p>
<p>O1: Tricuspid bulge into right atrium during isovolumetric ventricular contraction</p>
<p>O2: Contraction of right atrium</p>
<p>O3: Passive filling of right atrium</p>
<p>O4: Passive emptying of right atrium</p>
<p>Ans: 1</p>

<p>Ques No: 177 Subject: Surgery Topic: Endocrine Surgery Sub-Topic:</p>
<p>What is the most common site of gastrinoma in MEN 1 syndrome?</p>
<p>O1: Jejunum</p>
<p>O2: Ileum</p>
<p>O3: Duodenum</p>
<p>O4: Stomach</p>
<p>Ans: 3</p>

<p>Ques No: 178 Subject: Psychiatry Topic: Forensic Psychiatry Sub-Topic:</p>
<p>What is the maximum period of voluntary self-admission under the Mental Healthcare Act 2017</p>
<p>O1: 48 hours</p>
<p>O2: 7 days</p>
<p>O3:</p>



30 days

O4:

90 days

Ans: 3

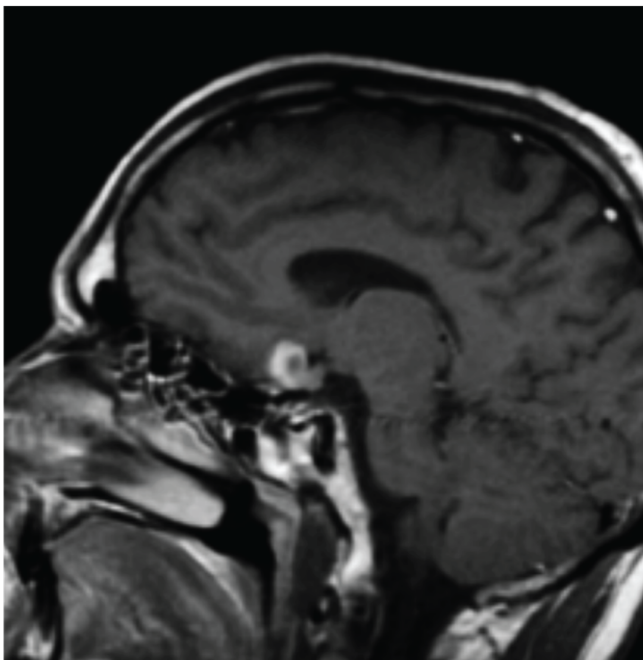
Ques No: 179

Subject: Radiology

Topic: Head & Neck Imaging

Sub-Topic:

A cystic lesion in the suprasellar region with calcification is seen on the MRI. What is the most likely diagnosis?



O1:

Craniopharyngioma

O2:

Pituitary adenoma

O3:

Meningioma

O4:

Oligodendroglioma

Ans: 1

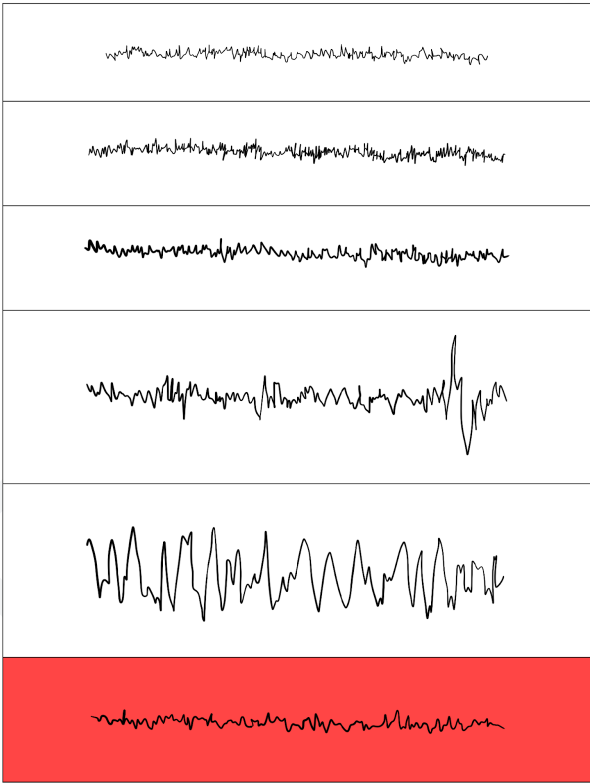
Ques No: 180

Subject: Radiology

Topic: OBGy Imaging



Sub-Topic: Personal monitoring of radiation is done by:
O1: TLD badge
O2: Collimators
O3: Linear accelerator
O4: Grid
Ans: 1

<p>Ques No: 181 Subject: Psychiatry Topic: Sleep Disorders Sub-Topic:</p> <p>Identify the state of sleep based on EEG findings highlighted in red.</p>  <p>The image shows six horizontal segments of EEG waveforms. From top to bottom: 1. A regular, low-amplitude wave. 2. A regular, low-amplitude wave. 3. A regular, low-amplitude wave. 4. A regular, low-amplitude wave with a sharp peak. 5. A regular, high-amplitude wave. 6. A regular, low-amplitude wave, which is highlighted with a red background.</p>
O1: Stage 1
O2: Stage 2



O3:

Stage 3

O4:

Stage 4

Ans: 4

Ques No: 182

Subject: Dermatology

Topic: Papulosquamous Disorders

Sub-Topic:

Identify the finding associated with the condition shown in the image below:



O1:

Isomorphic phenomenon

O2:

Meyerson phenomenon

O3:

Gottron's papule

O4:

Nikolsky's sign

Ans: 1

Ques No: 183



Subject: Surgery
Topic: Cardiothoracic Vascular Surgery
Sub-Topic:

A 50-year-old male who is a chronic smoker presented to the hospital with intermittent claudication pain of both thigh and buttock region on walking about 500 m. Which of the following is a likely diagnosis?

O1:
Arterial disease involving the superficial femoral artery

O2:
Arterial disease with aortoiliac involvement

O3:
Femoral venous insufficiency

O4:
Arterial disease involving the profunda femoris artery

Ans: 2

Ques No: 184

Subject: Psychiatry
Topic: Mood Disorders
Sub-Topic:

A middle-aged female patient presents with a history of loss of interest in day-to-day activities, weight loss, insomnia, and sadness for six months. She also recalls hearing a voice once that ordered her to kill herself. What is the DSM-V diagnosis?

O1:
Major depressive disorder with psychotic features

O2:
Schizophrenia

O3:
Schizoaffective disorder

O4:
Delusional disorder

Ans: 1

Ques No: 185

Subject: Physiology
Topic: Excretory System
Sub-Topic:

The protein in the glomerular basement membrane responsible for charge-dependent filtration is?

O1:
Fibronectin

O2:



Heparan sulfate
O3: Collagen Type IV
O4: Entactin
Ans: 2

Ques No: 186 Subject: Surgery Topic: Endocrine Surgery Sub-Topic:
Which of the following statements is true about retrosternal goitre?
O1: Operated in all patients regardless of symptoms
O2: Sternal incision is always required to operate
O3: It receives blood supply from the thoracodorsal artery
O4: Most of the retrosternal goiters can be removed by a neck incision
Ans: 4

Ques No: 187 Subject: Surgery Topic: Gastrointestinal Surgery Sub-Topic:
While performing surgery on a patient who presented with clinical features suggestive of peritonitis, a diverticular perforation is seen along with fecal peritonitis. What is the Hinchey's stage?
O1: Stage 1
O2: Stage 2
O3: Stage 3
O4: Stage 4
Ans: 4

Ques No: 188 Subject: Surgery Topic: Hepatobiliary Pancreatic Surgery



Sub-Topic:

An 80-year-old woman presented with complaints of fatigue. On imaging, she was found to have a scleroatrophic gallbladder with impacted stones in it. A large stone was also present in the common bile duct and the biliary tree is dilated. What is the next step in management?

O1:

Immediately take up patient for cholecystectomy

O2:

Endoscopic retrograde cholangiopancreatography

O3:

Wait and watch

O4:

CT scan

Ans: 2

Ques No: 189

Subject: Radiology

Topic: Musculoskeletal Radiology

Sub-Topic:

The appearance of USG at saphenofemoral junction, showing common femoral vein, common femoral artery and the great saphenous vein is called as:

O1:

Mickey mouse sign

O2:

String sign

O3:

Tillaux sign

O4:

Stamers sign

Ans: 1

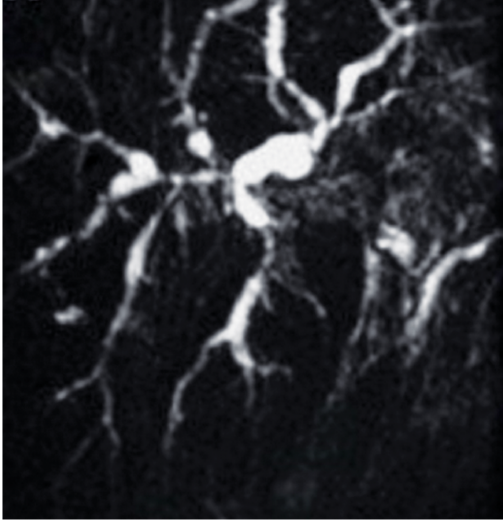
Ques No: 190

Subject: Surgery

Topic: Hepatobiliary Pancreatic Surgery

Sub-Topic:

A 35-year-old man presented with recurrent episodes of fever with chills. The MRCP image is shown below. What is the most likely diagnosis?



O1:
Primary sclerosing cholangitis

O2:
Caroli disease

O3:
Oriental cholangitis

O4:
Primary biliary carcinoma

Ans: 1

Ques No: 191

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

A 15-year-old boy undergoes bilateral adrenalectomy for pheochromocytoma. On the third postoperative day, the boy feels lethargic and tired. Blood pressure is 80/60 mm Hg, there is no sign of bleeding. What could be the cause of this?

O1:
Addisonian crisis

O2:
SIADH

O3:
Diabetes insipidus

O4:
Cerebral salt wasting disease

Ans: 1

Ques No: 192



Subject: Radiology
Topic: Thoracic Radiology
Sub-Topic:

Plethoric lung fields are seen in?

O1:
TAPVC

O2:
Tricuspid atresia

O3:
Ebstein anomaly

O4:
TOF

Ans: 1

Ques No: 193
Subject: Surgery
Topic: Cardiothoracic Vascular Surgery
Sub-Topic:

Which of the following is not a component of Thoracoscore?

O1:
Performance status

O2:
Complication of surgery

O3:
ASA grading

O4:
Priority of surgery

Ans: 2

Ques No: 194
Subject: Dermatology
Topic: Cutaneous Infections
Sub-Topic:

Identify the finding shown in the image below:



O1:
Herpes labialis

O2:
Herpangina

O3:
Molluscum contagiosum

O4:
Impetigo

Ans: 1

Ques No: 195

Subject: Radiology

Topic: Head & Neck Imaging

Sub-Topic:

A patient complains of neck stiffness and severe headache. The CT image shown below is suggestive of which of the following conditions?



O1:
Meningitis

O2:
Subarachnoid hemorrhage

O3:
Intraparenchymal hemorrhage

O4:
Hemorrhagic stroke

Ans: 2

Ques No: 196

Subject: Dermatology

Topic: Miscellaneous Disorders

Sub-Topic:

Which of the following drugs used as nail lacquer belongs to morpholines?

O1:
Amorolfine

O2:
Oxiconazole

O3:
Ciclopirox olamine

O4:
Tioconazole

Ans: 1

Ques No: 197

Subject: Surgery



Topic: Gastrointestinal Surgery

Sub-Topic:

A middle-aged man presented to the emergency department with upper abdominal pain after having a heavy meal. On clinical examination, upper abdominal tenderness was noted. On chest radiography widening of the mediastinum with pneumomediastinum was seen. What is the probable diagnosis?

O1:

Spontaneous perforation of esophagus

O2:

Perforation of peptic ulcer

O3:

Foreign body in esophagus

O4:

Rupture of emphysematous bulla of lung

Ans: 1

Ques No: 198

Subject: Dermatology

Topic: Skin Appendages and their Disorders

Sub-Topic:

A child was born with membranes around the body and had ectropion and eclabium. He is brought to the OPD with lesions covering his face, trunk, and extremities. Which of the following is an unlikely diagnosis?



O1:

Ichthyosis vulgaris

O2:

Lamellar ichthyosis

O3:

Bathing suit ichthyosis

O4:



Harlequin ichthyosis

Ans: 1

Ques No: 199

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

A 32-year-old male was diagnosed with achalasia cardia. High-resolution manometry revealed massive, simultaneous, high-pressure contractions of the distal oesophagus. According to the Chicago classification, the patient has which type of achalasia?

O1:

Type II

O2:

Type I

O3:

Type IV

O4:

Type III

Ans: 4

Ques No: 200

Subject: Physiology

Topic: Blood Physiology

Sub-Topic:

Which of the following clotting factors would have decreased gamma carboxyglutamate residue in patients on warfarin therapy?

O1:

Factor 2

O2:

Factor 11

O3:

Tissue factor

O4:

Factor 5

Ans: 1

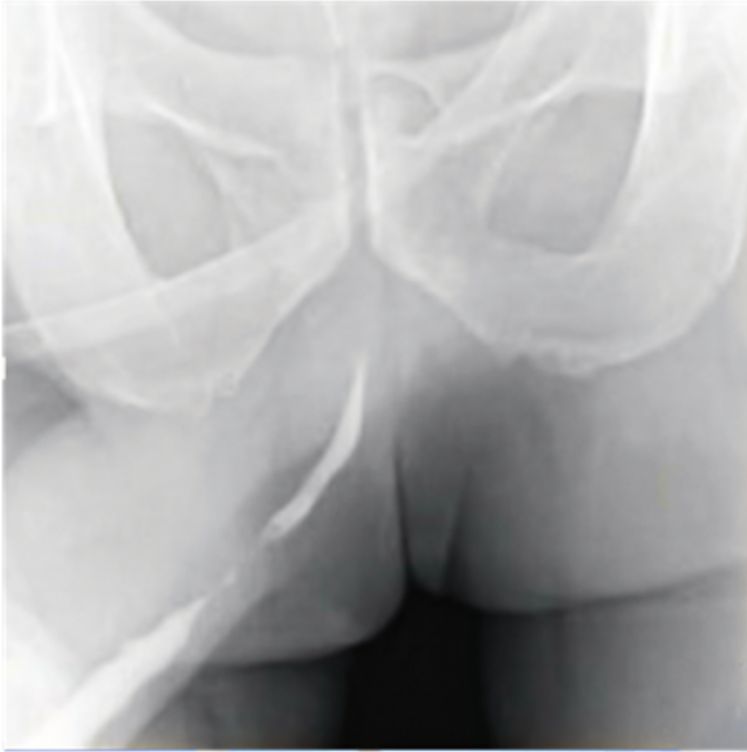
Ques No: 201

Subject: Surgery

Topic: Urology

Sub-Topic:

Identify the investigation and the lesion depicted in the image given below.



O1:
Retrograde cystourethrogram with membranous urethra stricture

O2:
Retrograde cystourethrogram with penile urethral stricture

O3:
Micturating cystourethrography with bulbar stricture

O4:
Micturating cystourethrography with prostatic urethra stricture

Ans: 2

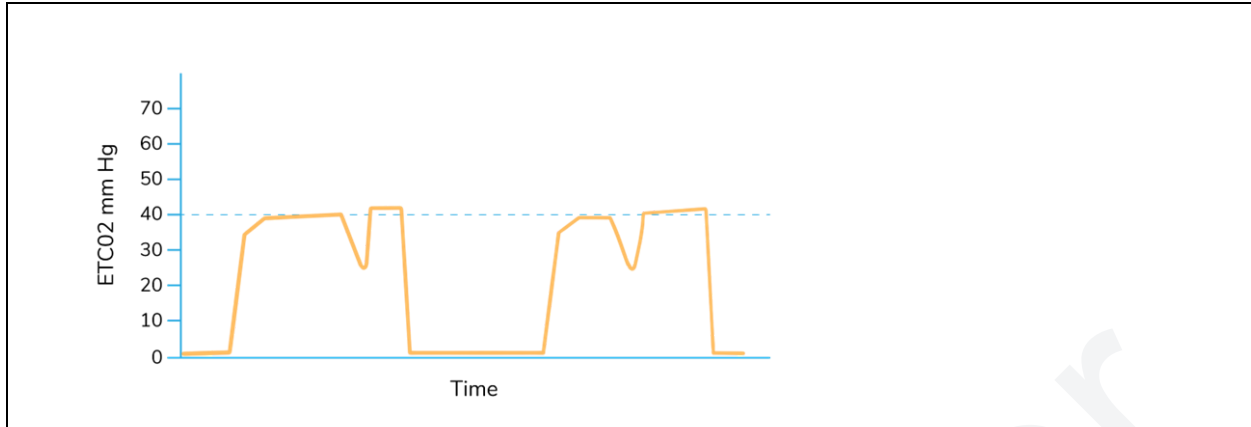
Ques No: 202

Subject: Anaesthesia

Topic: Monitoring in Anesthesia

Sub-Topic:

A capnograph obtained from an intubated patient undergoing controlled ventilation is given below. Which of the following is a likely cause of the finding seen?



O1:
Esophageal intubation

O2:
Inspiration with cardiac oscillations

O3:
Bronchospasm

O4:
Spontaneous respiratory effort

Ans: 4

Ques No: 203

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

According to the TNM staging, a patient with lung cancer of size 2.5 cm is staged as

O1:
T1b

O2:
T1c

O3:
T2a

O4:
T1a

Ans: 2

Ques No: 204

Subject: Anaesthesia

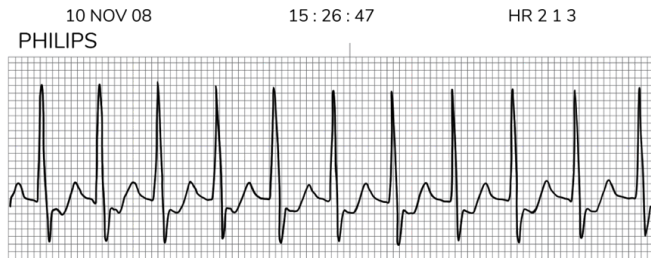
Topic: Monitoring in Anesthesia

Sub-Topic:

A 50-year-old patient with a history of hypertension and diabetes mellitus developed the following rhythm. His blood pressure was 90/40 mm Hg and he had a feeble pulse. What is the



next step of management?



O1:
IV adenosine

O2:
IV diltiazem

O3:
DC cardioversion

O4:
Ibutilide

Ans: 3

Ques No: 205

Subject: Surgery

Topic: Urology

Sub-Topic:

Which of the following should be the treatment of choice for renal cell carcinoma with tumor less than 4 cm in size?

O1:
Partial nephrectomy

O2:
Partial nephrectomy + neoadjuvant chemotherapy

O3:
Radical nephrectomy

O4:
Radical nephrectomy + postoperative radiotherapy

Ans: 1

Ques No: 206

Subject: Anaesthesia

Topic: Neuromuscular Blockade

Sub-Topic:

A patient is given a nicotinic receptor antagonist as a muscle relaxant. Which drug is given postoperatively to recover from muscle weakness?

O1:



Physostigmine
O2: Neostigmine
O3: Carbachol
O4: Succinylcholine
Ans: 2

<p>Ques No: 207 Subject: Surgery Topic: Others Sub-Topic:</p> <p>A 38-year-old man was brought to the emergency department after suffering a stab injury to the lower chest. On presentation, he had bradycardia and hypotension which did not improve despite IV fluid administration. Chest radiography showed clear lung fields. What is the next step in management?</p>
O1: eFAST
O2: Tube thoracostomy
O3: CECT chest
O4: CECT abdomen
Ans: 1

<p>Ques No: 208 Subject: Surgery Topic: Urology Sub-Topic:</p> <p>A man was brought to the emergency department after he fell into a manhole and injured his perineum. He gets an urge to micturate but is unable to urinate. On examination, blood was seen at the tip of the urethra, and swelling of the penis and scrotum was seen. What is the site of injury?</p>
O1: Membranous urethra rupture
O2: Bulbar urethra injury
O3: Prostatic urethra injury
O4: Urinary bladder rupture



Ans: 2

Ques No: 209

Subject: Surgery

Topic: Hepatobiliary Pancreatic Surgery

Sub-Topic:

A 5-year-old child with Wilson's disease is being considered for liver transplantation. Which of the following is not a parameter in the selection criteria for transplantation?

O1:

Age < 10 years

O2:

PT > 100 s

O3:

Bilirubin > 300 μ mol/L

O4:

Jaundice less than 7 days before development of encephalopathy

Ans: 4

Ques No: 210

Subject: Physiology

Topic: Endocrine and Reproductive System

Sub-Topic:

Which of the following conditions would have the highest levels of ACTH and cortisol?

O1:

Early morning

O2:

Normal individuals with dexamethasone administration

O3:

Addison's disease

O4:

Cushing's disease

Ans: 4

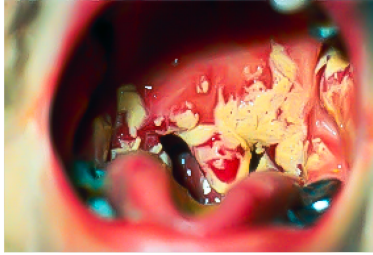
Ques No: 211

Subject: Microbiology

Topic: Mycology

Sub-Topic:

A 35-year-old HIV-positive patient presents with mucosal lesions in the mouth as shown in the image below. On microscopy, budding yeasts and pseudohyphae are seen. What is the likely diagnosis?



O1:
Oral candidiasis

O2:
Hairy leukoplakia

O3:
Lichen planus

O4:
Diphtheria

Ans: 1

Ques No: 212

Subject: Surgery

Topic: Hepatobiliary Pancreatic Surgery

Sub-Topic:

The most common neuroendocrine tumor of the pancreas is?

O1:
Gastrinoma

O2:
Somatostatinoma

O3:
Insulinoma

O4:
VIPoma

Ans: 3

Ques No: 213

Subject: Microbiology

Topic: Virology

Sub-Topic:

Zika virus is transmitted by:



O1: Aedes aegypti
O2: Culex
O3: Anopheles
O4: Phlebotomus papatasi
Ans: 1

Ques No: 214 Subject: Surgery Topic: Others Sub-Topic: ASEPSIS wound scoring takes all of the following into consideration except:
O1: Wound swab from the site
O2: Serous discharge
O3: Erythema
O4: Induration
Ans: 4

Ques No: 215 Subject: PSM Topic: Allied Health Disciplines Sub-Topic: Sharp waste is disposed in?
O1: Yellow bag
O2: Red bag
O3: Blue bag
O4: White bag
Ans: 4

Ques No: 216 Subject: Microbiology
--



Topic: Parasitology

Sub-Topic:

Which of the following organisms causes disease following traumatic inoculation into the skin?

O1:

Sporothrix schenckii

O2:

Blastomyces dermatitidis

O3:

Coccidioides immitis

O4:

Paracoccidioides brasiliensis

Ans: 1

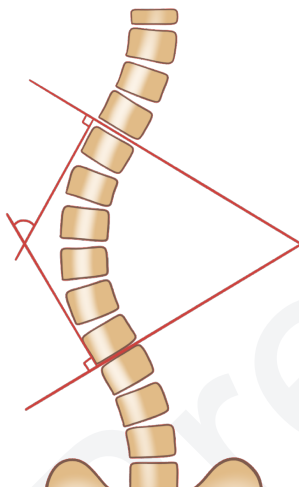
Ques No: 217

Subject: Orthopaedics

Topic: Miscellaneous

Sub-Topic:

Which method of measurement of scoliosis has been depicted in the image given below?



O1:

Cobb's angle

O2:

Bohler's angle

O3:

Ferguson angle

O4:

Bauman's angle

Ans: 1

Ques No: 218



Subject: Surgery
Topic: Endocrine Surgery
Sub-Topic:

A patient comes with long-standing non-pitting edema in the legs. What is the most probable cause?

O1:
Lymphedema

O2:
Arterial Disorders

O3:
Venous Disorders

O4:
Coronary heart disease

Ans: 1

Ques No: 219
Subject: PSM
Topic: Allied Health Disciplines
Sub-Topic:

According to the Factories Act 1948, what is the maximum work hours per week including overtime work hours?

O1:
48 hours

O2:
72 hours

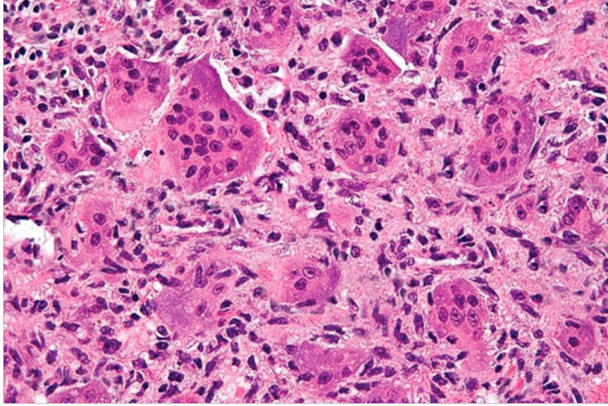
O3:
60 hours

O4:
66 hours

Ans: 3

Ques No: 220
Subject: Orthopaedics
Topic: Orthopedics Oncology
Sub-Topic:

A 30-year-old woman developed a tumor at the knee joint. Biopsy-image is given below. What is the most likely condition?



O1:
Osteosarcoma

O2:
Ewing's Sarcoma

O3:
Giant cell tumour

O4:
Osteoblastoma

Ans: 3

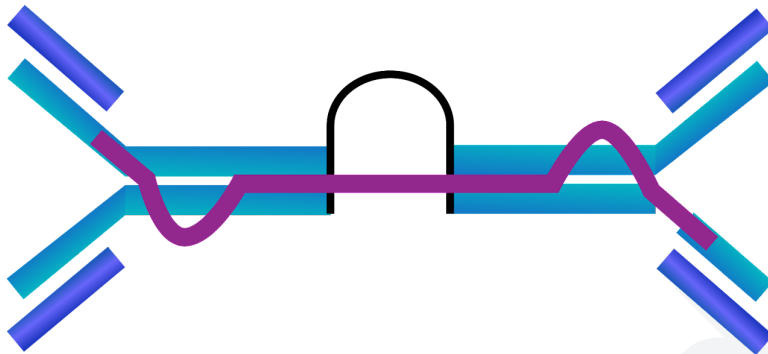
Ques No: 221

Subject: Microbiology

Topic: Immunology

Sub-Topic:

Identify the class of immunoglobulin shown in the image below.



O1:
Ig A

O2:
Ig G

O3:
Ig M

O4:
Ig E

Ans: 1

Ques No: 222

Subject: Surgery

Topic: Others

Sub-Topic:

A 41-year-old female patient presented with a tortuous swelling over the left side of the scalp and face as shown in the image given below. On local examination, the swelling was pulsatile. On auscultation, a bruit was heard. Which of the following is the most likely diagnosis?



O1:
Neurofibromatosis

O2:
Liposarcoma

O3:
Cirroid Aneurysm

O4:
Varicocele

Ans: 3

Ques No: 223

Subject: Physiology

Topic: Gastrointestinal System

Sub-Topic:

Following complete ileal partial jejunal resection, the patient is most likely to have?

O1:
Folic acid deficiency

O2:
Vitamin B12 deficiency

O3:
Gastric ulcer

O4:
Constipation

Ans: 2

Ques No: 224

Subject: PSM

Topic: Screening of Diseases



Sub-Topic:
Which of the following is an example of prospective screening?
O1: Cervical Pap smear in a 40-year-old patient
O2: Neonatal screening of a new-born baby for hypothyroidism
O3: Screening of immigrants to a country
O4: Urine for sugar screening in a 40-year-old man
Ans: 3

Ques No: 225 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic:
A 14-year-old boy presents with a history of vomiting within 3 hours of consumption of food at a party. Which of the following organism is most likely to cause these symptoms
O1: Staphylococcus aureus
O2: Clostridium botulinum
O3: Clostridium perfringes
O4: Salmonella typhi
Ans: 1

Ques No: 226 Subject: Orthopaedics Topic: Metabolic Disorders Sub-Topic:
A 55 year old female complains of lower backache. The radiographic image of her lumbosacral spine is given below. What is the probable diagnosis?



O1:
Osteoporosis

O2:
Ankylosing spondylitis

O3:
Osteomalacia

O4:
Renal osteodystrophy

Ans: 1

Ques No: 227

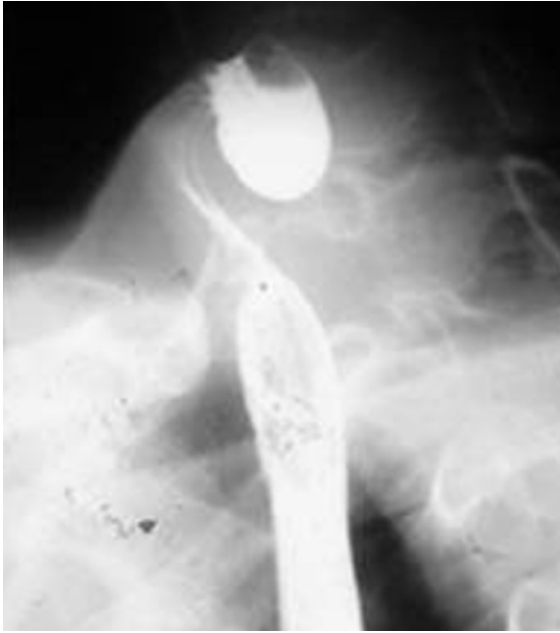
Subject: Surgery

Topic: Head And Neck

Sub-Topic:



What does the given barium swallow film show?



O1:
Aortic aneurysm

O2:
Pharyngeal pouch

O3:
Carotid body tumor

O4:
Esophageal carcinoma

Ans: 2

Ques No: 228

Subject: PSM

Topic: Health Planning and Management

Sub-Topic:

The monetary benefit is measured in which of the following analyses?

O1:
Cost-effective analysis

O2:
Cost-benefit analysis

O3:
Network analysis

O4:
Input-Output analysis

Ans: 2

Ques No: 229

Subject: Microbiology

Topic: Systemic Bacteriology

Sub-Topic:

Which of the following organism produces superantigen?

O1:

Staphylococcus epidermidis

O2:

Streptococcus pyogenes

O3:

Clostridium perfringens

O4:

Vibrio cholera

Ans: 2

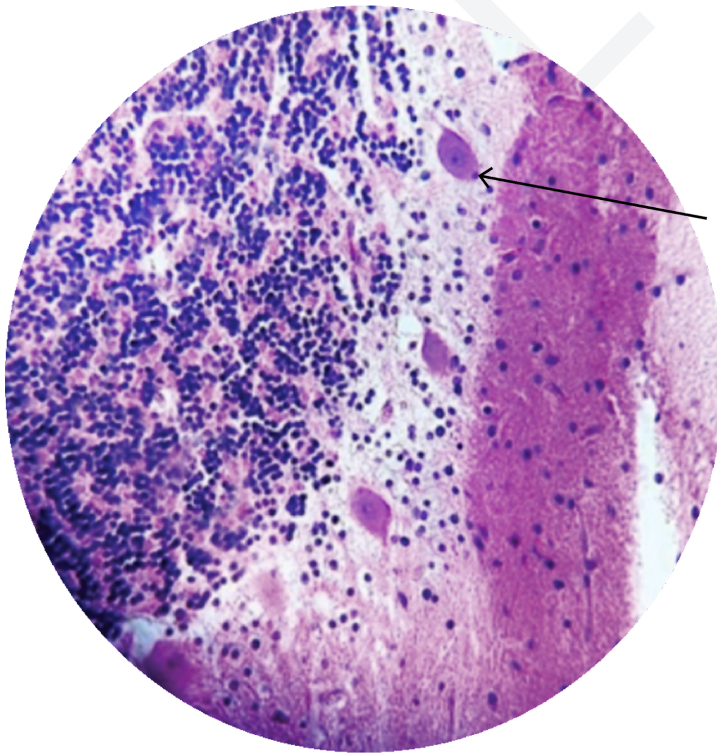
Ques No: 230

Subject: Anatomy

Topic: Neuro Anatomy

Sub-Topic:

Identify the cell marked in the histological image of the cerebellum shown below:



O1:



Purkinje cells
O2: Basket cells
O3: Golgi cells
O4: Granule cell
Ans: 1

Ques No: 231 Subject: Microbiology Topic: Parasitology Sub-Topic: A female patient who is from the north-eastern part of the country came to the hospital with complaints of progressive swelling of the upper limb. She has a history of coronary artery disease for which she underwent percutaneous coronary intervention. On examination, the limbs are more swollen proximally than distally. What is the next best step in the management of this patient?
O1: Echocardiography
O2: Night blood test for worms
O3: Duplex venous scan of limbs
O4: ECG
Ans: 2

Ques No: 232 Subject: Surgery Topic: Cardiothoracic Vascular Surgery Sub-Topic: True statement about intermittent claudication:
O1: Felt at rest
O2: Most commonly felt in the calf muscles
O3: Day to day distance is variable
O4: Relieved after getting out of bed
Ans: 2



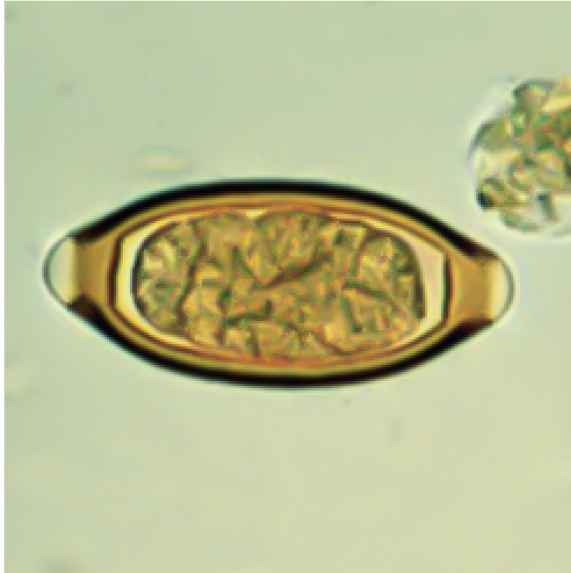
Ques No: 233

Subject: Microbiology

Topic: Parasitology

Sub-Topic:

Which of the following helminthic infections that is commonly transmitted by soil, is characterized by the egg in stool as shown in the image below?



O1:

Trichuris trichiura

O2:

Ancylostoma duodenale

O3:

Necator americanus

O4:

Ascaris lumbricoides

Ans: 1

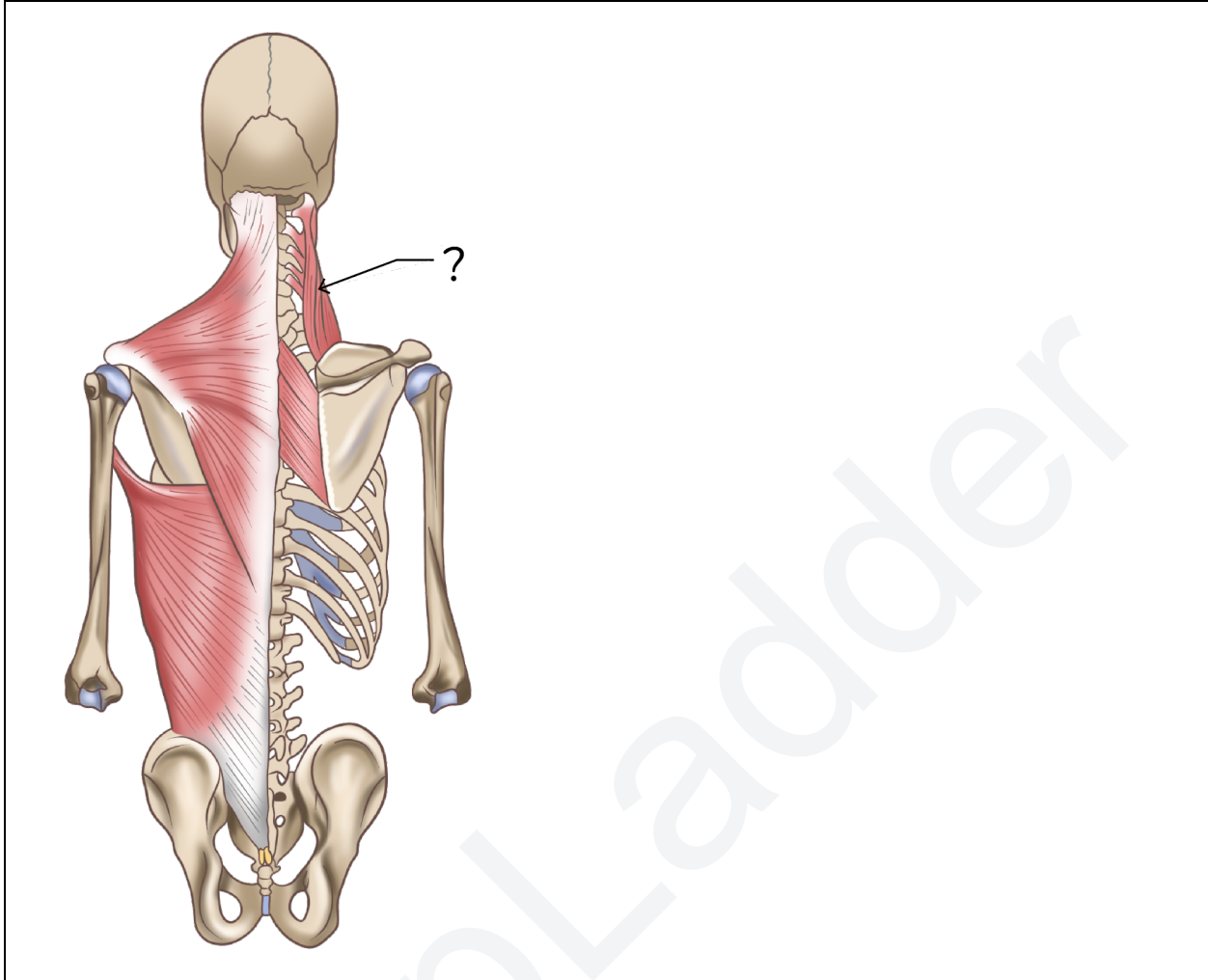
Ques No: 234

Subject: Anatomy

Topic: Back Region

Sub-Topic:

The muscle marked by the arrow in the image below is innervated by the :



O1:
Dorsal scapular nerve

O2:
Suprascapular nerve

O3:
From the dorsal rami of C1

O4:
Subscapular nerve

Ans: 1

Ques No: 235

Subject: Surgery

Topic: Others

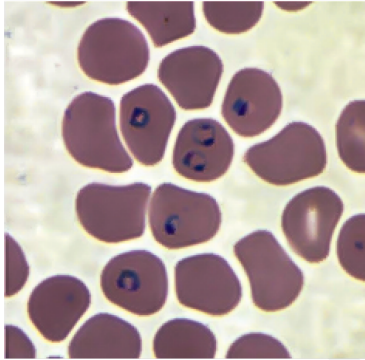
Sub-Topic:

Which of the following is not a part of the primary survey?

O1:
Measuring blood pressure

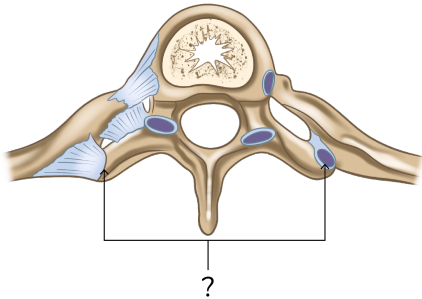


O2: Removing clothes to inspect for wounds
O3: Taking CT scan of the patient
O4: Checking airway patency
Ans: 3

<p>Ques No: 236 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic:</p> <p>A 30-year-old female from tribal area presented with fever for the last 3 days. On examination of the peripheral smear, a diagnosis of malaria was made. Which of the following is most likely to be the causative agent?</p> 
O1: P. falciparum
O2: P. malariae
O3: P. ovale
O4: P. vivax
Ans: 1

<p>Ques No: 237 Subject: Anatomy Topic: Thorax Sub-Topic:</p>
--

The type of joint marked in the image below is:



O1:
Syndesmosis

O2:
Synarthrosis

O3:
Synchondrosis

O4:
Synovial

Ans: 4

Ques No: 238

Subject: PSM

Topic: Communicable and Non-communicable Diseases

Sub-Topic:

A 24-month-old child weighing 11 kg was brought to the pediatric OPD. He had a respiratory rate of 38/min. On examination, chest indrawing was observed. What is the next step of management?

O1:
Oral amoxicillin for five days

O2:
Urgent referral to the tertiary care centre immediately

O3:
Administer IV antibiotics and ask the patient to be brought after 24 hours

O4:
Start antipyretics urgently

Ans: 1

Ques No: 239

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

A 50-year-old male patient, during his routine annual checkup, is found to have an abdominal



aortic aneurysm measuring 40 mm in diameter on USG. Which of the following is true about the management of this patient?

O1:

Urgent endovascular aneurysm repair

O2:

Surgery is indicated if aneurysmal diameter is > 55mm

O3:

Urgently wheel the patient to OT for surgery

O4:

Surgery is indicated only if aneurysm is > 77mm

Ans: 2

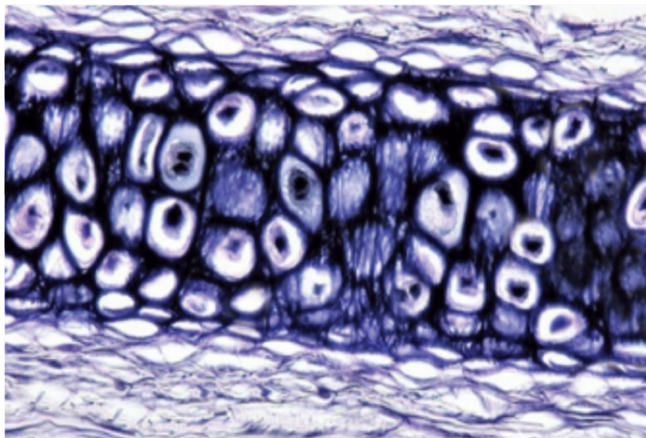
Ques No: 240

Subject: Anatomy

Topic: Histology

Sub-Topic:

Identify the type of cartilage shown in the image below:



O1:

Hyaline cartilage

O2:

Elastic cartilage

O3:

Articular cartilage

O4:

Fibrocartilage

Ans: 2

Ques No: 241

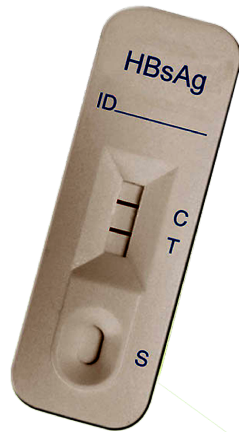
Subject: Microbiology

Topic: Immunology

Sub-Topic:



The test kit shown in the image below works on the principle of:



O1:
ELISA

O2:
Immunochromatography

O3:
Immunofluorescence

O4:
Chemiluminescence

Ans: 2

Ques No: 242

Subject: PSM

Topic: Allied Health Disciplines

Sub-Topic:

An employee diagnosed with TB gets extended sickness benefit for?

O1:
1 year

O2:
2 years

O3:
3 years

O4:
4 years

Ans: 2

Ques No: 243

Subject: Microbiology

Topic: Systemic Bacteriology

Sub-Topic:

A 22-year-old presented with high-grade fever, and purpuric rash as shown in the image below. CSF sample shows gram-negative diplococci. Which of the following is the most likely aetiology?



O1:
Neisseria meningitidis

O2:
Pseudomonas aeruginosa

O3:
Streptococcus pneumoniae

O4:
E.coli

Ans: 1

Ques No: 244

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

Which of the following is the Miami criteria for intraoperative parathyroid hormone (PTH) measurement?

O1:



Quarter fall in 5 min
O2: Quarter fall in 10 min
O3: Half fall in 5 min
O4: Half fall in 10 min
Ans: 4

Ques No: 245 Subject: PSM Topic: Allied Health Disciplines Sub-Topic: Chemical waste is disposed in ____ bags.
O1: Yellow
O2: White
O3: Red
O4: Green
Ans: 1
Ref: .

Ques No: 246 Subject: Microbiology Topic: Parasitology Sub-Topic: Which of the following is the predominant pathogen to infect the renal transplant recipients in the period around 1 to 4 months following the transplantation?
O1: Cytomegalovirus
O2: JC virus
O3: BK virus
O4: Epstein-Barr virus
Ans: 1



Ques No: 247

Subject: Biochemistry

Topic: Amino Acids and Proteins Chemistry

Sub-Topic:

Which of the following is true about the structural organization of proteins?

O1:

Tertiary structure is three-dimensional

O2:

Primary, secondary, and tertiary structures are destroyed by denaturation

O3:

The secondary structure is stabilized by disulfide bonds

O4:

The secondary and tertiary structure depends upon amino acid sequence

Ans: 1

Ques No: 248

Subject: PSM

Topic: Health Planning and Management

Sub-Topic:

Which of the following techniques is based on behavioral sciences?

O1:

Decision making

O2:

Systems analysis

O3:

Network analysis

O4:

Management by objective

Ans: 4

Ques No: 249

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

Which of the following is not true about Japanese encephalitis?

O1:

Transmitted by Culex vishnui

O2:

Pig is the amplifier host

O3:

Man acts as the reservoir



O4:

Vaccinating pigs is helpful in disease control

Ans: 3

Ques No: 250

Subject: PSM

Topic: Biostatistics

Sub-Topic:

A study was done to assess nutritional status among young children in rural and urban areas. 30 children in rural and 20 children in urban areas were malnourished. Which of the following tests of significance is the most appropriate in this case?

O1:

Chi Square test

O2:

Paired T test

O3:

Standard error of the mean

O4:

ANOVA

Ans: 1

Ques No: 251

Subject: PSM

Topic: Epidemiology

Sub-Topic:

In Sustainable Development Goal 3, the target 3.1 aims to reduce the Maternal Mortality Ratio by 2030 to _____ (per 1 lakh live births)?

O1:

<70

O2:

< 100

O3:

< 50

O4:

<130

Ans: 1

Ques No: 252

Subject: PSM

Topic: Communicable and Non-communicable Diseases

Sub-Topic:



As per NCEP- ATP III, which of the following is not a criterion for metabolic syndrome?
O1: Hypertriglyceridemia
O2: High LDL
O3: Central obesity
O4: Hypertension
Ans: 2

Ques No: 253 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic:
Which of the following helps in bacterial adhesion?
O1: Cytoplasmic membrane
O2: Mesosomes
O3: Fimbriae
O4: Lipopolysaccharides
Ans: 3

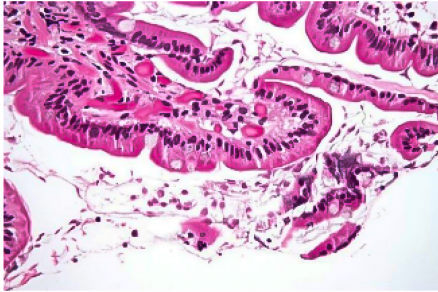
Ques No: 254 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic:
Which of the following is not involved in urethritis?
O1: Trichomonas
O2: Chlamydia
O3: Gonococcus
O4: H. ducreyi
Ans: 4

Ques No: 255



Subject: Microbiology
Topic: Parasitology
Sub-Topic:

A 30-year-old HIV-positive patient presented with a chronic history of watery diarrhea. Histopathology of the duodenum is shown in the image below. Which of the following is the causative organisms?



O1:
Giardia lamblia

O2:
Entamoeba histolytica

O3:
Microsporidia

O4:
Cryptosporidia

Ans: 1

Ques No: 256
Subject: PSM
Topic: Biostatistics
Sub-Topic:

In a population study, the value of the mean is 200. If the standard deviation is 20, 68% of the population will lie between?

O1:
180-220

O2:
160-240

O3:
170- 230

O4:
190-210



Ans: 1

Ques No: 257

Subject: PSM

Topic: Communicable and Non-communicable Diseases

Sub-Topic:

A patient comes with a history of clean-cut injury which is not lacerated. He says that he received his last dose of tetanus vaccination about 10 years ago. What should be given next?

O1:

Full course of tetanus vaccination

O2:

Single dose tetanus toxoid

O3:

Tetanus toxoid + immunoglobulin

O4:

Non vaccination needed

Ans: 2

Ques No: 258

Subject: PSM

Topic: Allied Health Disciplines

Sub-Topic:

Which of the following is disposed in the yellow bag?

O1:

Blood bag

O2:

Gloves

O3:

Sharps

O4:

Urine bag

Ans: 1

Ques No: 259

Subject: PSM

Topic: Biostatistics

Sub-Topic:

The variation in a data set is compared with that of another data set using?

O1:

Variance

O2:



Coefficient of variation
O3: Standard error of mean
O4: Standard deviation
Ans: 2

Ques No: 260 Subject: Microbiology Topic: Mycology Sub-Topic:
What is the drug of choice for invasive pulmonary aspergillosis?
O1: Itraconazole
O2: Voriconazole
O3: Lyophilised Amphotericin B
O4: Posaconazole
Ans: 2

Ques No: 261 Subject: PSM Topic: Biostatistics Sub-Topic:
Calculating one variable using another variable is done by
O1: Coefficient of correlation
O2: Coefficient of Regression
O3: Coefficient of variation
O4: Coefficient of determination
Ans: 2

Ques No: 262 Subject: PSM Topic: Communicable and Non-communicable Diseases Sub-Topic:
--



Pandemic that occurred in 2009 was due to which influenza virus?
O1: H1N1
O2: H5N1
O3: H5N7
O4: H3N2
Ans: 1

Ques No: 263 Subject: Physiology Topic: Respiratory System Sub-Topic: Respiratory distress syndrome is due to defective?
O1: Type 1 pneumocytes
O2: Type 2 pneumocytes
O3: Alveolar capillary endothelial cells
O4: Bronchial mucosal epithelial cells
Ans: 2

Ques No: 264 Subject: PSM Topic: Environment and Health Sub-Topic: The best indicators for routine monitoring of air pollution are?
O1: Sulfur dioxide, smoke, and suspended particles
O2: Sulfur dioxide, lead, and particulate matter
O3: Sulfur dioxide and carbon monoxide
O4: Carbon monoxide and hydrogen sulfide
Ans: 1

Ques No: 265



Subject: PSM

Topic: Epidemiology

Sub-Topic:

The difference between the incidence of disease among exposed and incidence among non-exposed is given by which of the following variables?

O1:

Relative risk

O2:

Attributable risk

O3:

Population Attributable risk

O4:

Odds Ratio

Ans: 2

Ques No: 266

Subject: Anatomy

Topic: Upper Limb

Sub-Topic:

A 30 years female patient is presenting with wrist pain on lateral side. On examination the following test was positive. Tendon sheaths of which two muscle have been involved



O1:

Abductor pollicis longus and extensor pollicis brevis

O2:

Abductor pollicis longus and extensor pollicis longus

O3:

Abductor pollicis brevis and extensor pollicis brevis

O4:

Abductor pollicis brevis and extensor pollicis longus

Ans: 1

Ques No: 267

Subject: PSM

Topic: Epidemiology

Sub-Topic:

A person wants to study about the relationship between smoking and lung cancer, so he



collects data about people diseased with lung cancer from government hospitals and the number of cigarette packets sold at the same time period. Which type of study is this?
O1: Cross sectional
O2: Ecological
O3: Experimental
O4: Quasi-experimental
Ans: 2

Ques No: 268 Subject: PSM Topic: Communicable and Non-communicable Diseases Sub-Topic: Project MONICA is related to?
O1: Cardiovascular diseases
O2: Cervical Cancer
O3: Breast Cancer
O4: Road Traffic Accidents
Ans: 1

Ques No: 269 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic: Which of the following culture media is used to differentiate other E.coli species from E.coli O157:H7?
O1: Mannitol salt agar
O2: Xylose lysine deoxycholate agar
O3: Sorbitol MacConkey agar
O4: CLED medium
Ans: 3



Ques No: 270

Subject: Biochemistry

Topic: Carbohydrate Chemistry

Sub-Topic:

Which absorbs least water?

O1:

Mucilage

O2:

Cellulose

O3:

Gums

O4:

Pectin

Ans: 2

Ques No: 271

Subject: PSM

Topic: Allied Health Disciplines

Sub-Topic:

Which of the following compounds is predominantly responsible for the disinfecting property of bleaching powder?

O1:

Hypochlorite ion

O2:

Hydrochloric acid

O3:

Hypochlorous acid

O4:

Chloride ion

Ans: 3

Ques No: 272

Subject: Microbiology

Topic: Systemic Bacteriology

Sub-Topic:

A 5 year old boy was suffering from low grade fever, inspiratory stridor and barking cough for past 5 days. His chest X-ray is given below. What is the cause of this condition?



O1:
Moraxella

O2:
Parainfluenza

O3:
Hemophilus influenza

O4:
Staphylococcus aureus

Ans: 2

Ques No: 273

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

A 30-year-old woman presented with complaints of easy fatigability, exertional dyspnea and weight loss. She also has a complaint of frequent fall. Physical examination revealed there



was bilateral decrease in vibration sense. Her hemoglobin levels were 8.2 g% with high MCV. She was treated with folate. Her anemia improved but neurological symptoms worsened. Which of the following is the most probable reason for her condition?
O1: Folate is not well absorbed
O2: Folic acid therapy unmasked pyridoxine deficiency
O3: Deficiency of folate reductase in CNS
O4: Folate therapy caused rapid use of vitamin B12 stores aggravating symptoms
Ans: 4

Ques No: 274 Subject: Microbiology Topic: Systemic Bacteriology Sub-Topic:
Which of the following is a bioterrorism category A agent?
O1: Nipah virus
O2: Anthrax
O3: Coxiella
O4: Brucella
Ans: 2

Ques No: 275 Subject: PSM Topic: Vaccines and Cold Chain Sub-Topic:
Vaccine protocol followed after Disaster
O1: Everyone is given diphtheria
O2: Everyone is given tetanus toxoid
O3: Everyone is given cholera vaccine
O4: Only the health worker given cholera, typhoid, tetanus toxoid
Ans: 4



Ques No: 276

Subject: ENT

Topic: Larynx

Sub-Topic:

A 2 yrs old child presented with following x- ray finding. What is the most likely diagnosis?



O1:

Acute laryngotracheobronchitis

O2:

Acute epiglottitis

O3:

Acute pharyngitis

O4:

Parapharyngeal abscess

Ans: 1

Ques No: 277

Subject: Forensic Medicine

Topic: Forensic Toxicology

Sub-Topic:

Which of the following poison can be found even in skeletonized remains of the body?

O1:

Arsenic

O2:

Carbon monoxide

O3:

Hydrogen sulphide

O4:

Phosphorus

Ans: 1

Ques No: 278



Subject: Forensic Medicine
Topic: Forensic Thanatology
Sub-Topic:

A child who is a victim under the POCSO Act is brought to the Department of forensic medicine for age estimation. The X-ray image of the hand is shown below. What is the likely age of the child?



O1:
4 years

O2:
7 years

O3:
10 years

O4:
13 years

Ans: 4

Ques No: 279
Subject: PSM
Topic: Biostatistics
Sub-Topic:

What does correlation co-efficient of less than 0.5 indicate:

O1:
Confidence interval of 95%

O2:
Weak correlation

O3:
Not statistically significant

O4:
Strong correlation

Ans: 2



Ques No: 280

Subject: Physiology

Topic: Endocrine and Reproductive System

Sub-Topic:

Which of the following hormones use receptor tyrosine kinase signaling?

O1:

Insulin

O2:

TSH

O3:

TRH

O4:

MSH

Ans: 1

Ques No: 281

Subject: Pathology

Topic: Blood Banking and Transfusion Medicine

Sub-Topic:

Why is blood stored in citrate-phosphate-dextrose preferred over- acid-citrate-dextrose for hypoxic patients?

O1:

It has less P50

O2:

It is less acidic

O3:

The fall in 2,3 DBG is less

O4:

None of the above

Ans: 3

Ques No: 282

Subject: Physiology

Topic: The Nervous System

Sub-Topic:

What is the site of lesion in Wernicke's hemianopic pupil?

O1:

Optic nerve

O2:

Optic tract



O3: Optic radiation
O4: Optic chiasma
Ans: 2

Ques No: 283 Subject: Physiology Topic: Gastrointestinal System Sub-Topic: In which of the following reflexes, gastric emptying is delayed when acidic content enters the duodenum?
O1: Gastrocolic
O2: Enterocolic
O3: Gastroileal reflex
O4: Enterogastric
Ans: 4

Ques No: 284 Subject: Physiology Topic: The Nervous System Sub-Topic: A lady presents with vascular injury to the inferior frontal gyrus. Which functional area is likely to be affected?
O1: Motor speech area
O2: Wernicke's area
O3: Auditory area
O4: Visual area
Ans: 1

Ques No: 285 Subject: Forensic Medicine Topic: Forensic Thanatology Sub-Topic:
--

In a dead body, bloating of face, tongue protrusions were noted along with the findings in the image. Identify the phenomenon:



O1:
Electrocution

O2:
Crocodile burns

O3:
Scalds

O4:
Putrefaction

Ans: 4

Ques No: 286

Subject: Medicine

Topic: Nephrology / Kidney Disease

Sub-Topic:

Which of the following is associated with pauci-immune glomerulonephritis?

O1:
SLE nephritis

O2:
Anti-GBM glomerulonephritis

O3:
IgA nephropathy

O4:
Granulomatosis with polyangiitis (GPA)



Ans: 4

Ques No: 287

Subject: Medicine

Topic: Emergency Medicine

Sub-Topic:

At a high altitude of 3000m, a person complains of breathlessness. All of the following can be used for management of this person except

O1:

Intravenous digoxin

O2:

Oxygen supplementation

O3:

Immediate descent

O4:

Acetazolamide

Ans: 1

Ques No: 288

Subject: Medicine

Topic: Neurology

Sub-Topic:

Lesion producing incongruous homonymous hemianopia with wernicke's pupil?

O1:

Optic tract

O2:

Visual cortex

O3:

Optic radiations

O4:

Optic nerve

Ans: 1

Ques No: 289

Subject: Physiology

Topic: The Nervous System

Sub-Topic:

A man falls into a deep sleep with one arm under his head. He finds he is not able to move this arm when he awakens. However, it tingles and pain sensation in the arm is still intact. What is the reason for the loss of motor function without loss of pain sensation is that in the nerves to his arm?



O1: Fibers are more susceptible to pressure than A fibers
O2: Fibers are more sensitive to pressure than C fibers
O3: Fibers are less sensitive to pressure than A fibers
O4: Motor nerves are more affected sleep than sensory nerves
Ans: 1

Ques No: 290 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic: 24 yr old women who had home delivery 2 weeks back, now presents with complete perineal tear. What the next line of management?
O1: Repair immediately
O2: Repair after 3 weeks
O3: Repair after 6 months
O4: Repair after 3 months
Ans: 4

Ques No: 291 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic: Which of the following antenatal complications is expected in the mother of the first baby(the second baby given as reference is a normal newborn)?
--



O1:
Intake of Phenytoin

O2:
Gestational diabetes

O3:
Intake of ACE inhibitors

O4:
Intake of sodium valproate

Ans: 2

Ques No: 292

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

The depicted instrument is used in which procedure?



O1:
Punch Biopsy

O2:
Tubectomy (Female Sterilisation)

O3:
Bone marrow biopsy set



O4:

Trocar and cannula for laparoscopy

Ans: 2

Ques No: 293

Subject: Ophthalmology

Topic: Squint / Strabismus

Sub-Topic:

The movement depicted in image are lost in:



O1:

3rd CN palsy

O2:

4th CN palsy

O3:

6th CN palsy

O4:

7th CN palsy

Ans: 1

Ques No: 294

Subject: Physiology

Topic: Respiratory System

Sub-Topic:

Respiratory distress syndrome is due to the deficiency of

O1:

Dipalmitoyl Phosphatidylcholine

O2:

Phosphatidylserine

O3:

Phosphatidylethanolamine

O4:

Phosphatidylinositol

Ans: 1

Ques No: 295


Subject: Physiology

Topic: Blood Physiology

Sub-Topic:



What makes CPDA superior than ACD for blood storage
O1: The fall in 2,3 DPG is less
O2: Decreased release of O ₂
O3: It has less P50
O4: It is less acidic
Ans: 1

<p>Ques No: 296 Subject: Ophthalmology Topic: Squint / Strabismus Sub-Topic:</p> <p>A patient presented with squint in right eye, as show below. Identify the nerve lesioned in this case</p> 
O1: Occulamotor
O2: Trochlear
O3: Trigeminal
O4: Abducent
Ans: 2

<p>Ques No: 297 Subject: Pediatrics Topic: Musculoskeletal Disorders in Children Sub-Topic:</p> <p>A 4-yr old male child presents with muscle weakness. His mother tells that her child has difficulty climbing stairs and getting up from the floor. On muscle biopsy, small muscle fibrils</p>



and absent of dystrophin was found. what is the diagnosis out of given options?
O1: Becker's muscle dystrophy
O2: Duchenne muscular dystrophy
O3: Myotonic dystrophy
O4: Limb-girdle muscular dystrophy
Ans: 2

Ques No: 298 Subject: Physiology Topic: Respiratory System Sub-Topic:
V/Q = infinity holds true in which of the following conditions?
O1: Foreign body obstruction in the bronchus
O2: Equal to dead space
O3: When O ₂ and CO ₂ ratio is equal
O4: The PO ₂ of alveolar air is 159 mmHg and PCO ₂ is 40 mmHg
Ans: 2

Ques No: 299 Subject: Pharmacology Topic: General Pharmacology Sub-Topic:
True about non-competitive inhibition is
O1: K _m remains same, V _{max} decreases
O2: K _m increases, V _{max} remains same
O3: K _m decreases, V _{max} increases
O4: K _m increases, V _{max} increases
Ans: 1



Ques No: 300

Subject: Physiology

Topic: The Nervous System

Sub-Topic:

A 35-year-old female was watching TV for long hours with hands under the head. She complains of tingling sensation over the arm. Which type of nerve fibre is most likely to be affected

O1:

A

O2:

B

O3:

C

O4:

Sympathetic

Ans: 1

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