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OPSC
HMO
Previous Year Paper
Paper-I
26 Sept, 2021

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PAPER-1

Q1

Question Text* Which of the following is more characteristic of Diabetic retinopathy?

1 Arteriolar thickening
2 Arteriovenous nipping
3 Papilloedema
4 Microaneurysms

Q2

Question Text* Microcytic hypo chromic anemia is seen in

1 Folic acid deficiency
2 Vit B12 deficiency
3 Iron deficiency
4 All the above

Q3

Question Text* Cullen's sign is a feature of

1 Vestibular neuronitis
2 Acute Pancreatitis
3 Acute appendicitis
4 Acute gastritis

Q4

Question Text* Rheumatoid arthritis has a predilection for the involvement of

1 Joints of hands and feet
2 Knee joints
3 Lumbo Sacral joints

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4 Hip joints

Q5

Question Text* Finger clubbing is seen in

1 Lung cancer
2 Pneumo thorax
3 Allergic rhinitis
4 All the above

Q6

Question Text* Sjogren's syndrome has all except

1 Keratitis
2 Blepharitis
3 Dental caries
4 Exophthalmoses

Q7

Question Text* What is WRONG about Henoch-schonlein purpura

1 Characterized by systemic vasculitis
2 Presents with petechial rashes and abdominal pain
3 Thrombocyte count is reduced
4 May present with haematurea

Q8

Question Text* Hyper secretion of growth hormone before puberty results in

1 Acromegaly

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2 Gigantism
3 Cushing's syndrome
4 Cretinim

Q9

Question Text* The etiological agent for Creutzfeldt-Jacob disease is

1 HIV
2 JC virus
3 EB virus
4 Prions

Q10

Question Text* In the brain which cells are responsible for formation and maintenance of Myelin sheath?

1 Oligodendrocytes
2 Microglial cells
3 Schwann cells
4 Ependymal cells

Q11

Question Text* In EEG normal background activity with closed eyes is

1 Alpha Rhythm
2 Beta Rhythm
3 Delta Rhythm
4 Theta Rhythm

Q12

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Question Text* The signs Extra pyramidal system lesions are all EXCEPT:

1 Rigidity
2 Flaccidity
3 Paralysis
4 Involuntary movements

Q13

Question Text* 'Visual anosognosia' is

1 Inability to recognize places
2 Failure to recognize primary colors
3 Patient denies his blindness
4 All the Above

Q14

Question Text* Pain due to direct stimulation of peripheral nerve endings by a noxious stimulus such as trauma, burns or ischemia is termed as

1 Nociceptive pain
2 Proprioceptive pain
3 Neuropathic pain
4 Ischaemic pain

Q15

Question Text* Causes of Infectious mononucleosis SYNDROME

1 Epstein-Barr virus
2 Cytomegalo virus
3 HIV-1 primary infection
4 All the above

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Q16

Question Text* What is "Torsades de pointes"?

1 Complication of Gout
2 Cardiac tamponade
3 Ventricular Tachycardia
4 Patient may be asymptomatic

Q17

Question Text* Anomalies in Tetralogy of Fallot

1 Pulmanory stenosis, Right ventricular hyertrophy, Ventricular septal defect & Overriding aorta
2 Aortic stenosis, Right ventricular hyertrophy, Ventricular septal defect & Overriding aorta
3 Pulmonary stenosis, Left ventricular hyertrophy, Ventricular septal defect & Overriding aorta
4 Pulmonary stenosis, Left ventricular hyertrophy, Atrial septal defect & Overriding aorta

Q18

Question Text* Homogenous opacity in Chest X ray is seen in

1 Lobar pneumonia
2 Pneumothorax
3 Massive pleural effusion
4 Large enhancing lung tumour

Q19

Question Text* Which is MOST correct about pernicious anemia?

1 Due to deficiency of Vitamin B12

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2 Due to deficiency of intrinsic factor
3 Due to atrophy of gastric mucosa from autoimmune disorder
4 Due to deficiency of Vitamin B12 and folate

Q20

Question Text* Plague is caused by

1 Salmonella typhi
2 Yersenia pestis
3 Myco bacteria
4 Treponema pallidum

Q21

Question Text* The presence of ferning in Cervical smear after 21st day suggests -

1 Ovulation positive
2 Anovulation
3 Cervical ectopy
4 Chronic cervicitis

Q22

Question Text* "Clitoris" is developed from -

1 Urogenital Sinus
2 Genital folds
3 Genital ridge
4 Genital tubercle

Q23

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Question Text* "Astheno Zoospermia" means

1 Absence of Spermatozoea
2 Dead Spermatozoea
3 Reduced Sperm morlity
4 Abnormal morphology of Spermatozoea

Q24

Question Text* Which one is correct predisposing factor for uterine fibromyoma -

1 Usually multipara
2 Long period of secondary infertility
3 Young age group
4 Diabetic Woman

Q25

Question Text* Risk factor for CIN -

1 Early Sexual intercourse (≤ 16 years)
2 Multiple Second partners
3 Oral Pill users
4 All the above

Q26

Question Text* Which one is incorrect in miscarriage after expulsion of fleshy mass -

1 Sudden excessive bleeding
2 Subsidence of abdominal pain
3 Uterus become smaller
4 Cervical OS is closed

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Q27

Question Text* Osiander's sign means -

1 Cervix becomes soft as early as 6th week
2 The discolouratius of vaginal mucosa
3 Increased Pulsatius at Lateral fornices
4 Uterus feels soft and elastic

Q28

Question Text* Torsion of neck is an inevitable phenomenon during -

1 Birth of head
2 Internal rotation of the head
3 External rotation of the head
4 Restitution

Q29

Question Text* Primary PPH means

1 Haemorrhage occurs within 24 hours following the birth of baby
2 Haemorrhage occurs without any organic pathology
3 Haemorrhage occurs before the birth of the baby
4 Haemorrhage occurs after 24 hours following the birth of the baby

Q30

Question Text* The commonest cause of Perinatal Asphyxia is

1 Birth trauma of the neonate
2 Diabetic mother
3 Perinatal medication to the mother

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4 Placental insufficiency

Q31

Question Text* Characteristic feature of venous ulcer in Leg is

1 Deep painful ulcer
2 Superfecial ulcer with pigmentation around
3 Penetrating ulcer with visible Bone
4 Ulcer on Dorsum of foot

Q32

Question Text* Characteristic feature of Basal cell Carcinoma is

1 Epithelial Pearls
2 Mitotic figures
3 Orphan Annie nucleai
4 Pallisading Islands

Q33

Question Text* Following is true for Hydrotherapy in Burn's EXCEPT

1 It can be done by Immersion
2 Shower can be used
3 It is painless
4 It Rinses away dead skin and Bacteria

Q34

Question Text* Following are true for Dental cyst EXCEPT

1 Upper Jaw is Commonly Involved
2 It is Large Unilocular cyst

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3 Cyst contains Cholesterol crystals
4 Arises from Unerupted tooth

Q35

Question Text* The widely used first Investigation of choice in a Lady of 25 years with Lump in Breast is

1 Ultra Sonography
2 CT Scan
3 MRI
4 FNAC

Q36

Question Text* Which one of the following complication of Gastrojejunostomy

1 Gall Stones
2 Duodenal blow out
3 Intussusception
4 Diarrhoea

Q37

Question Text* Which of the following is not the cause for Gall Stone formation

1 Saint's triad
2 HaemoLytic anaemia
3 Infection
4 Gastrojejunostomy

Q38

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Question Text* Anal Stenosis is a complication of

1 Stapler-Haemorrhoidopexy
2 Open-Haemorrhoidectomy
3 Too low Application of the Band
4 Cryosurgery

Q39

Question Text* Staghorn Calculi is a

1 Calcium Oxilate Stone
2 Phosphate Stone
3 Uric Acid Stone
4 Cystine Calculus

Q40

Question Text* The following is Diagnostic of Surgical Emphysema

1 The Lungs are Emphysematous
2 Always follows surgery
3 Palpable crepitus
4 Infiltrates on chest X-Ray

Q41

Question Text* Toxic megacolon is seen in following Except

1 Intestinal Tuberculosis
2 Ulcerative Colitis
3 Amoebic Colitis

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4 Salmonella Colitis

Q42

Question Text* The most common benign Tumour of the Spleen

1 Haemangioma
2 Lymphoma
3 Tuberculoma
4 Lipoma

Q43

Question Text* Which of the following is Unilocular Cyst

1 Ademantinoma
2 Dentigerous cyst
3 Epidimal cyst
4 Dental cyst

Q44

Question Text* Estlander Flap is used to cover

1 Central Defects of LIP – Lower lip
2 Central Defects of LIP - Upper lip
3 Letral Defects of more than 50%
4 Letral Defect's up to 30%

Q45

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Question Text* Which one of the following swelling does not contain Cholesterol Crystal's

1 Branchial Cyst
2 Sebaceous Cyst
3 Dental Cyst
4 Hydrocele

Q46

Question Text* India was declared smallpox free in

1 1920
2 1977
3 1978
4 1979

Q47

Question Text* UNICEF was established in the year

1 1946
2 1948
3 1952
4 1958

Q48

Question Text* Biological mode of transmission of microfilaria that occurs in culex mosquito is:

1 Cyclopropagative
2 Cyclodevelopment
3 Propagative
4 Trasovarial

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Q49

Question Text* Pap smear test for detection of carcinoma of cervix is which level of prevention?

1 Primordial
2 Primary
3 Secondary
4 Tertiary

Q50

Question Text* Disinfecting action of chloride on water is mainly due to:

1 Hydrogen chloride
2 Hypochlorus acid
3 Hypochlorite ions
4 Hydrogen ions

Q51

Question Text* The term cafeteria choice in relation to family planning indicates:

1 Provision of contraceptives at public places including toilets
2 Availability of contraceptives at cafeterias and canteens
3 Offering all methods of contraception to an individual to make own choice
4 Installation of condom vending machines at strategic locations

Q52

Question Text* Commonest cause of blindness in preschool children is:

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1 Maternal rubella
2 Vitamin A deficiency
3 Accidental injuries
4 Congenital cataract

Q53

Question Text* ICDS packages includes all of the following except:

1 Immunization
2 Formal education
3 Health check up
4 Nutrition

Q54

Question Text* Zinc Phosphide is a:

1 Larvicides
2 Insecticide
3 Rodenticide
4 All of the above

Q55

Question Text* Excreta disposal methods used in aircraft is:

1 Aquaprivy
2 Septic tank
3 Mechanical composting
4 Chemical Closet

Q56

Question Text* Sarcoptes Scabies is a:

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1 Parasite
2 Crab
3 Arthropod
4 None

Q57

Question Text* A subcenter is a plain area which caters to a population of:

1 5000
2 8000
3 50000
4 1000

Q58

Question Text* The amount of infectious wastes among hospital waste is:

1 1.5%
2 4.5%
3 25%
4 12%

Q59

Question Text* Nalgonda technique is used in

1 Endemic ascites
2 Neurolathyrism
3 Endemic fluorosis
4 Endemic dropsy

Q60

Question Text* Drinking water should be:

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1 Soft Water
2 Hard Water
3 Moderately hard water
4 Very hard water

Q61

Question Text* Toxin responsible for epidemic dropsy:

1 BOAA
2 Aflatoxin
3 Sanguinarine
4 Pyrrozolidine

Q62

Question Text* 'Falanga' is:

1 Sitting in abnormal position
2 Hitting the feet with stick
3 Electric current for torture
4 Pulling of hair

Q63

Question Text* Best forensic sample for DNA analysis is

1 Blood in EDTA
2 Hair
3 Vitreous humour
4 Femur bone

Q64

Question Text* Spermine is detected by

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1 Takayama test
2 Barberio's test
3 Florence test
4 Acid phosphatase test

Q65

Question Text* Term vibices is used for

1 Rigor mortis
2 Postmortem burns
3 Postmortem lividity
4 Postmortem rigidity

Q66

Question Text* Spalding sign occurs because of

1 Mummification
2 Still born
3 Intra-uterine maceration
4 Drowning

Q67

Question Text* Testamentary capacity is related to

1 Will
2 Right to vote
3 Consent
4 Voluntary hospitalization

Q68

Question Text* Cutis anserina is seen in:

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1 Drowning
2 Firearm injury
3 Hanging
4 3rd degree burn

Q69

Question Text* Acrodynia occurs in poisoning with

1 Arsenic
2 Lead
3 Thallium
4 Mercury

Q70

Question Text* Punishment for culpable homicide not amounting to murder is dealt under:

1 Sec. 299 IPC
2 Sec. 300 IPC
3 Sec. 302 IPC
4 Sec. 304 IPC

Q71

Question Text* Fat necrosis is observed in which of the following condition?

1 Autoimmune disease
2 Myocardial Infarction
3 Acute Pancreatitis
4 Fungal Infections

Q72

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Question Text* In LANGHANS GIANT CELLS, nuclei are present in WHICH of the following arrangement?

1 No specific arrangement
2 Stellate arrangement
3 Centrally
4 At the poles of periphery

Q73

Question Text* Match the tumour marker (Column I) with the corresponding cancer (Column II) and choose the correct option below

Column I		Column II	
a)	Alpha Feto-Protein	i)	CA breast
b)	Carcinoembryonic Antigen	ii)	Hepatocellular Carcinoma
c)	Calcitonin	iii)	Pheochromocytoma
d)	Catecholamines	iv)	Medullary CA thyroid

1 a-ii, b-i, c-iv, d-iii
2 a-i, b-ii, c-iv, d-iii
3 a-iii, b-iv, c-i, d-ii
4 a-ii, b-iv, c-i, d-iii

Q74

Question Text* Which of the following is FALSE for Hereditary Spherocytosis?

1 Haemolytic Anaemia
2 Autosomal inheritance
3 Splenomegaly
4 Decreased Osmotic Fragility

Q75

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Question Text* Which of the following renal calculi is formed as a result of Urinary tract infection with urea-splitting organisms?

1 Calcium stones
2 Cystine stones
3 Uric Acid Stones
4 Struvite stones

Q76

Question Text* Which of the following is FALSE for Hashimoto's thyroiditis?

1 Autoimmune thyroiditis
2 Eosinophilic infiltration of thyroid gland
3 Goitrous enlargement of thyroid
4 More common in females

Q77

Question Text* Localised area of tissue necrosis resulting from ischaemia is known as -

1 Gangrene
2 Infarction
3 Apoptosis
4 Cloudy Swelling

Q78

Question Text* Irreversible dilatation of bronchi and bronchioles (>2mm in diameter) is known as -

1 Emphysema
2 Atelectasis
3 Bronchiectasis
4 Chronic Bronchitis

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Q79

Question Text* 'LINITIS PLASTICA' is a type of-

1 Skin disease
2 Gastric Carcinoma
3 Leukaemia
4 Musculoskeletal dysfunction

Q80

Question Text* Unconjugated Hyper-bilirubinaemia is NOT seen in which of the following condition?

1 Dubin Johnson Syndrome
2 Gilbert's Syndrome
3 Criggler Najjar Syndrome
4 Haemolytic disorders

Q81

Question Text* Structures passing through parotid gland except

1 Facial nerve
2 Retro mandibular vein
3 External carotid artery
4 Facial Vein

Q82

Question Text* Muscle of tongue are mostly supplied by 12th cranial nerve except

1 Genioglossus
2 Palatoglossus

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3 Hyoglossus
4 Styloglossus

Q83

Question Text* Derivatives of all the germ layers; ectoderm, mesoderm and endoderm are present in:

1 Heart
2 Tympanic membrane
3 Cornea
4 Urachus

Q84

Question Text* The tarsal bone which is devoid of any muscle attachment

1 Calcaneum
2 Navicular
3 Talus
4 Cuboid

Q85

Question Text* Uterine artery is a branch of which artery?

1 External iliac
2 Internal iliac
3 Abdominal aorta
4 Common iliac

Q86

Question Text* Which is the most important landmark for distinguishing inguinal from femoral hernia?

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1 Superficial inguinal ring
2 Public tubercle
3 Midinguinal point
4 Inguinal ligament

Q87

Question Text* When both the genes of an allelic pair express themselves completely and equally, the pattern is called

1 Codominance
2 Intermediate dominance
3 Incomplete dominance
4 Complete dominance

Q88

Question Text* Which is not a branch of lateral cord of brachial plexus?

1 Musculocutaneous Nerve
2 Lateral root of median Nerve
3 Medial root of median Nerve
4 Lateral pectoral Nerve

Q89

Question Text* Which of the following ribs articulates with one vertebra only?

1 First
2 Second
3 Third
4 Fourth

Q90

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Question Text* Aortic aneurysm may cause following symptoms:

1 Dyspnoea
2 Dysphagia
3 Dysphonia
4 All of the above

Q91

Question Text* Spirometer can measure the following lung volumes, except

1 Tidal volume
2 Residual volume
3 Inspiratory reserve volume
4 Expiratory reserve volume

Q92

Question Text* Haematocrit is the ratio of

1 Erythrocytes to plasma
2 Leucocytes to plasma
3 Thrombocytes to plasma
4 Total blood cells to plasma

Q93

Question Text* Humoral responses of natural immune system include

1 Macrophages
2 Complement system
3 B and T lymphocytes
4 Monocytes

Q94

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Question Text* Mass movements are commonly seen in which part of the gut

1 Oesophagus
2 Duodenum
3 Jejunum
4 Colon

Q95

Question Text* An ejection fraction of 60% suggests

1 Athletic training
2 Heart failure
3 Aortic Stenosis
4 Normal cardiac function

Q96

Question Text* A major source of heat production in neonate is

1 Increased muscular activity
2 Brown fat
3 Increased sympathetic activity
4 Specific dynamic action of foods

Q97

Question Text* Tropic hormones refer to

1 Hormones secreted from hypothalamus
2 Pituitary gland hormones
3 Hormones of posterior pituitary gland
4 Hormones that stimulate the secretion of other endocrine glands

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Q98

Question Text* Development of breasts during puberty is called

1 Pubarche
2 Adrenarche
3 Thelarche
4 Menarche

Q99

Question Text* Reading newspaper in a moving bus is difficult because of

1 Motion sickness
2 Imperfect visual inputs
3 Disorientation in space
4 Strains to vestibule-visual fixation

Q100

Question Text* Which mechanism is most effective in returning the blood pressure back to normal

1 Baroreceptor reflexes
2 Chemoreceptor reflexes
3 Capillary fluid shift mechanism
4 Long term blood pressure regulating mechanisms

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