

**ODISHA PUBLIC SERVICE COMMISSION**  
**Recruitment to the Post of Medical Officers(Asst. Surgeon) [Advt. No. 09 of 2020-21]**  
**Question paper of the Computer Based Recruitment Exam held on 28.04.2021**

Sr No	QUESTION	OPTION A	OPTION B	OPTION C	OPTION D
1	Von Ebner's glands are located in	Oesophagus	Laryngopharynx	Oropharynx	Tongue
2	Contents of gastrosplenic ligament	Left Gastric and Left gastroepiploic artery	Short Gastric and Left gastric artery	Short Gastric and Left gastroepiploic artery	Left Gastric and Splenic artery
3	Lateral lemniscus carries the sensation of	Fine touch	Crude touch	Hearing	Vision
4	The median nerve injury is common in wrist joint fracture, due to	Scaphoid	Lunate	Triquetral	Trapezium
5	The tertiary villi of placenta appear during intra uterine development in	III Week	V Week	VII Week	IX Week
6	In a normal individual, erythropoiesis is completed in .....days	3	7	14	20
7	Contractile unit of muscle is the portion of myofibril between	A and H band	Z line and A band	Two adjacent Z lines	A and I band
8	Total gastrectomy may lead to all except	Protein indigestion	Severe anaemia	Giddiness	Dizziness, pallor and sweating after meals
9	Stokes Adam syndrome is loss of consciousness following	Head Injury	Ventricular tachy cardia	Ventricular fibrillation	Complete heart block
10	The basic spinal reflex of posture is	Stretch reflex	Extensor reflex	Cross extensor reflex	Flexor reflex
11	Which one of the metabolic reactions does not take place in the peroxisomes ?	Oxidation of very long chain fatty acids	Hydrolysis of cholesteryl esters	Synthesis of glycerolipids	Utilization of H <sub>2</sub> O <sub>2</sub>
12	Eukaryote DNA topoisomerase II play a role	In decatenation of linked chromosomes by relaxing either negatively or positively supercoiled DNA	In introduction of breakage only one strand of DNA	In ATP hydrolysis for their action	Introduction of negative superhelices in eukarotic DNA
13	Which one of the proteins is not a hemeprotein ?	Cytochrome P450	Myoglobin	Albumin	Catalase
14	Nonsteroidal anti-inflammatory drug aspirin inhibits	Prostacyclin synthase	Lipoxygenase	Thromboxane synthase	Cyclooxygenase
15	Which one of the following genetic disorder is associated with the presence of mutations in chloride transporter gene?	Cystic fibrosis	Wilson disease	Acrodermatitis enteropathica	Inclusion cell diseases
16	Isohydric transport of carbon dioxide from tissues to lung refers to	Carbamine compounds	The presence of carbonic anhydrase in plasma	HCO <sub>3</sub> in plasma	Free CO <sub>2</sub> dissolved in plasma
17	Phosphatidylinositide system commence with activation of phospholipase-C which undergo a sequence of even except	Activation of IP <sub>3</sub> by action of a phosphatases	Increase in intracellular Ca <sup>2+</sup> concentration	Release of diacylglycerol (DAG) from a phospholipid	Activation of protein kinase-C

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18	Insulin involves in all of the following reactions except	Recruit glucose transporters4 (GLUT 4) from intracellular sites to the plasma membrane	Activates protein kinase A and AMP-dependent protein kinase(AMPK)	Activates phosphoprotein phosphatase	Signals an increase in sterol-response element binding proteins (SREBP-1)
19	Carnitine	Formation requires that lysyl residues in protein by methylated by S-adenosylmethionine	Is synthesized directly from the lysine	Is important in the detoxification of peroxides	Is cleaved to $\gamma$ -butyrobetain
20	Why nitric oxide used as therapeutic targets in cardiac and vascular disorders	Nitric oxide binds directly to nitric oxide sensitive soluble guanylate cyclase which lead to increased activity due to alteration of conformation	Nitric oxide binds to Atrial Natriuretic factor (ANF) and leads to activation of guanylate cylcase	Guanylate cyclase signalling pathway does not participate in this process	Nitric oxide activates the PKC
21	Botulinum toxin produce skeletal muscle paralysis by	Inhbiting synthesis of Acetylcholine	Inhibiting neuronal uptake of choline	inhibiting release of neuronal acetylcholine	Inhibiting vesicular incorporation acetylcholine
22	This anticancer agent produces a type of megalobastosis that is unresponsive to both Vit B-12 and folic acid	Mechlorethamine	Cladribine	Hydroxyurea	Temozolomide
23	The plasma half life of penicillin- G is longer in the new born because their	Plasma protein level is low	Drug metabolizing enzymes are immature	Glomerular fillration rate is low	Tubular transport mechanisms are not well developed
24	Patient treated with the following anticancer drug are likely to develop a disulfiram like reaction on taking alcohol	Dacarbazine	Procarbazine	Melphalan	Hydroxyurea
25	Hepatic first-pass can be avoided in all of following routes except	Per-rectal	Transdermal	Per-Oral	Sublingual
26	Loading dose of a drug is detemined by the	Clearance of the drug	Apparent volume of distribution of the drug	Dosing rate	Accumulation factor
27	Which of the following is CCK-receptor antagonist	Loxiglumide	Tegaserod	Fedotozine	Leuprolide
28	Filgrastim is indicated for	Neutropenia	Aplastic anaemia	Thrombocytopenia	Eosinophilia

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29	Identify the wrong statement regarding lithium	Lithium has a volume of distribution of around 40 liters	It produces postural tremor of 8 to 12 Hz	Lithium can produce Vasopression Resistant Diabetes insipidus	Lithium can precipitate extrapyramidal symptoms when used with atypical narcoleptics such as Risperidone
30	Which 'thiazide' diuretic has the highest relative potency	Chlorothiazide	Polythiazide	Metolazone	Chlorthalidone
31	Which of the follwing is not true for the p53 gene?	It plays a role in up to 50 % of human cancers	It is involved in causation of retinoblastoma	It blocks cell cycle progression in response to DNA damage	It's a tumour suppressor gene
32	The rate-controlliing enzyme of the mevalonate pathway, response for cholesterol biosynthesis is	Geranyl transferase	Squalene synthase	HMG CoA reductase	Acetoacetyl CoA thiolase
33	The membrane Attack Complex of the complement system is also known as the	C5b5678 complex	C5b6789 complex	C5b5789 complex	Protein polysaccharide complex
34	Which of the following is NOT related to fragile X syndrome?	Trinucleotide repeat	Inherited mental retardation	Robertsonian translocation	Defect in FMR 1 gene
35	Which of the following statements is correct about the high insulin/glucagon ratio	Occurs in the starvation state	Encourages biosynthesis of proteins	Leads to increased concentrations of ketone bodies in the blood	Is classically seen in patients with diabetes
36	The glyoxylate cycle utilizes following enzymes associated with tricarboxylic acid cycle except	Succinate dehydrogenase	Isocitrate lyase	Maltase dehydrogenase	Acotinase
37	Fat -Soluble vitamins are	B, C and D	B, D and E	A, B and C	A,D and E
38	The sequence of flow of blood in the hepatic portal system of a mammal is	caudal vein, kidney, liver , posterior vena cava	Intestine, liver, hepatic vein, Inferior vena cava	Kidney , liver, intestine, sinus venosus	Posterior vena cava, intestine, liver, hepatic vein , sinus venosus
39	Which of the following antibody first reaches the site of infection?	IgA	IgE	IgG	IgM
40	The gene for which of the following would be considered a proto-oncogene ?	p53	Rb protein	p21 (aCdk inhibitor protein)	Ras

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41	Which of the following bacteria produce saccharolytic reaction in cooked meat broth(CMB)	Clostridium tetani	Clostridium perfringens	Pseudomonas	None of the above
42	Drug resistance in mycobacterium tuberculosis is due to	Mutation	Transduction	Conjugation	Lysogenic conversion
43	Non- gonococcal urethritis can be caused by all of the following except	Chlamydia trachomatis	Mycoplasma hominis	Escherichia coli	Ureaplasma urealyticum
44	Verocytotoxin1(VT1) of Escherichia coli is similar to	Shiga toxin	Cholera toxin	Enterotoxin of staphylococcus aureus	Toxins of Bacillus cereus
45	All of the following are halophilic vibrios except	Vibrio parahaemolyticus	V. vulnificus	Vibrio alginolyticus	Vibrio cholerae
46	Which serotype of Haemophilus influenzae is associated with most invasive infections?	Serotype 'a' strains	Serotype 'b' strains	Serotype 'c' strains	Serotype 'e' strains
47	Which of the following is the smallest virus ?	POX Virus	Parvovirus	Adenovirus	Reovirus
48	Which of the following serological test is employed for laboratory diagnosis of infectious mononucleosis?	Paul-Bunnell test	Weil-Felix reaction	Widal test	None of the above
49	Which of the following fungi are important opportunistic pathogens in immunocompromised patients ?	Pneumocystis jirovecii	Penicillium marneffei	Candida albicans	All of the above
50	Which of the following fungi is capsulated ?	Candida albicans	Aspergillus fumigatus	Cryptococcus neoformans	None of the above
51	A form of death that results from exclusion of air from the lungs by means other than compression of the neck is called	Hanging	Throttling	Suffocation	Garroting
52	A disturbance of consciousness where orientation is impaired, critical faculties are blunted and thought content is irrelevant is called	Illusion	Delusion	Delirium	Dementia
53	The certain sign of pregnancy is	Foetal heart sound	X-ray and ultrasound	Foetal movement	Uterine souffle
54	The certain sign of death is	Rigor mortis	Hypostasis	Marbling	Decomposition
55	The earliest external sign of putrefaction is	Prominence of superficial veins	Greenish discoloration of iliac fossa	Development of foul smelling gases	Appearance of Hypostasis
56	Unsworn evidence without administration of oath is admissible in court if the age of the person is below	18 Yrs	16 yrs	14 yrs	12 yrs
57	Hydrostatic test is not necessary in all of the following except	Stomach contains milk	Diaphragm at 6th or 7th rib	Foetus shows intrauterine maceration	Umbilical cord cicatrised and separated
58	Risus sardonicus is a feature of poisoning by	Digitalis	Strychnine	Semecarpus	Ricinus

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59	Falling of hair of the head on third week of onset of symptoms is a diagnostic feature of	Chronic Thallium poisoning	Chronic Lead poisoning	Chronic Mercury poisoning	Chronic Copper poisoning
60	feeling of grains of sand or insects crawling under the skin is a feature of	Chronic opium poisoning	Chronic cocaine poisoning	Chronic strychnine poisoning	Chronic Datura poisoning
61	Emprostotonus is a feature of poisoning by	Cocaine	Curare	Strychnine	Physostigmine
62	Hyperpigmentation and hyperkeratosis of palm and sole is a feature of	Chronic arsenic poisoning	Chronic Iron poisoning	Chronic antimony poisoning	Chronic Zinc Poisoning
63	Majun is a preparation made from	Papaver	Cannabis	Cocaine	Atropa
64	Dark brown colour of hypostasis is found in poisoning by	Carbon monoxide	Phosphorus	Potassium Chlorate	Aniline
65	Which of the following is not a presumptive sign of pregnancy	Cessation of menses	Morning senses	Ballottement	Quickening
66	Metabolic Syndrome does not include	WHR >0.9 for males or <0.85 for females	Albumin excretion of < 20 mg	Low levels of HDL cholesterol	SBP&ge;140 mm Hg or DBP&ge;90 MM HG
67	The revised target for HFA by 2020 in respect of maternal mortality ratio is to bring it down to:	0.5 / 1000	1.0 / 1000	3.0 / 1000	5.0 / 1000
68	Under IDSP, which one of the following is <b><u>NOT</u></b> a group of diseases in the category of "Regular Surveillance"	Sexually transmitted	Vector borne	Water borne	Vaccine preventable
69	Patients with lung cancer die within a very short duration after the onset of the disease. Which one of the following is true for lung cancer ?	Incidence and mortality will be almost similar in a year	Mortality rate will be higher than the incidence	Incidence rates will be higher than mortality rates	There will be no relationship between the two
70	In India the most efficient vector of plague is	X. brasileinsis	X. astia	X. Cheopis	P. Irritans
71	Which one of the following is <b><u>NOT</u></b> a one-way communication ?	Symposium	Lecture	Group discussion	Stage Show
72	what is the correct sequence of excluding the role of certain factors while assessing the relationship between cause and effect ?	Confounding, chance, criteria of casual association, bias	Chance, Confounding, Bias, Criteria of casual association	Criteria of casual association, bias, confounding, chance	Bias, Chance, confounding, criteria of casual association
73	Which one of the following is <b><u>NOT</u></b> a method of controlling a confounding factor ?	Using accurate instruments	Employing Restriction	Attempting Stratified analysis	Performing Matching
74	Saddle shaped pattern of fever is seen in	kala-azar	malaria	Dengue	Typhoid
75	Drug X, widely used as an NSAID, was banned from being sold following reports of adverse cardiovascular effect. This is an Example of	Phase II of a clinical trial	Assessment of a multi drug trial	Assessment of adverse effect in a multidrug trial	Phase IV of a Clinical trial
76	In a case -control study, survivorship bias is most likely for	Myocardial infraction	Colle's fractuer in sportspersons	Coryza	Institutional normal deliveries

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77	The emission of which gas is checked during a pollution under control (PUC) Checked ?	Sulphur dioxide	Nitrogen Dioxide	Carbon Monoxide	Particulates
78	Jaggery is a rich source of	Carotene & thiamine	Zinc & iron	Iron & carotene	Sugar & proteins
79	The most well-proven, and maximum risk of cancer due to obesity is for	Uterine endometrium	colon	Breast	Stomach
80	Worldwide , the most common cause of death from cancer is due to cancer of the	LUNG	Oral Cavity	Stomach	Liver
81	A 17 years youth presents with purpuric rash on his leg and buttock. There is joint pain and a vomit containing coffee grounds. Blood testing reveals mild rise in IgA levels. Urine testing reveals microscopic haematuria. What diagnosis fits to this clinical picture ?	Thrombotic Thrombocytopenic purpura	Traumatic injury	Polyarteritis nodosa	Hemochromatosis
82	One melanocyte has contact with	12Keratinocyte	16Keratinocyte	30Keratinocyte	36Keratinocyte
83	Which Sebaceous gland located on areola?	Montgomery's tubercles	Tyson's gland	Zeis gland	Meibomian gland
84	Langerhans cell originate from?	Ectoderm	Mesoderm	Neural crest	Lymph nodes
85	The highest risk of fetal varicella syndrome in pregnant women would be associated with which of following scenario ?	30wk Pregnant women who developed herpes zoster .	20wk Pregnant women who developed herpes zoster .	30wk Pregnant women who developed varicella infection	20wk Pregnant women who developed varicella infection
86	In comparison to other isotopes, hydrogen is most useful for MRI because	Low isotopic abundance	High magnetic susceptibility	High tissue concentration	Low spin density
87	In MRI a square field of view (FOV) reduces Signal to Noise Ratio by	1/2	1/4	3/4	1/8
88	Right sided isomerism is associated with all except	Trilobed lungs	Polysplenia	Central Liver	Malrotation
89	Finding of diaphragm rupture on CT included all except	Collar sign	Dependent viscera sign	Discontinuity of diaphragm	Fallen lung sign
90	In mammogram the following terms are used to describe benign calcification except	Popcorn	Linear, branching	Eggshell	Central lucent
91	Treacher collins syndrome is characterised by following facts except	Lack of mesenchymal tissue	Cell death in trigeminal ganglia	Exposure to high level of ethanol	Maxilla and mandible underdeveloped
92	Mostly Maxillary permanent canine erupted in Oral cavity at the age of	6-7 Years	8-9 Years	9-10 Years	11-12 Years
93	Point out wrong statement about three bilaterally paired major salivary gland	Parotid gland is largest salivary glands	Sublingual gland is serous gland .	Submandibular gland is mixed gland	Parotid gland is serous glands
94	Mottled enamel is due to	High Flouride content in water	Low Flouride content in Water	Hyper calcification of Enamel	Hypercalcification of dental pulp

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95	Myofacial pain dysfunction syndrome is used to indicate	Nasal abnormalities	Temporomandibular joint dysfunction	Bone abnormalities	Maxillary abnormalities
96	Desired platelet count (/mcl) range for major surgeries is	>10,000-30,000	> 30,000-50,000	> 50,000-80,000	> 80,000-100,000
97	Congenital deficiency of which coagulation factor causes Hemophilia A	Factor VII	Factor VIII	Factor IX	Factor X
98	Complications of intractable vomiting are all the following except	Dehydration & dyselectrolytaemia	GI Aspiration	Rupture of the esophagus	Metabolic acidosis
99	All the following are enzyme based tumor markers except	Prostratic acid phosphatase	Neuron-specific enolase	Lactate dehydrogenase	Transamynase
100	The Gram-Positive Cocci	Staphylococcus Epidermidis	Staphylococussaureas	Streptococcus pneumonia	Virdians Streptococcus
101	All the following are head and neck cancers except	Oral Cavity	Pharynx	Larynx	Esophagus
102	Hormones produce from eutopic sources refers to	Hormone production from atypical tissue source	Hormone production from its normal tissue of origin	Hormone production from Lever	Hormone production from Kidneys
103	The Thymus is derived from the	First and second pharyngeal pouches	Second and third pharyngeal pouches	Third and Fourth pharyngeal pouches	Fourth and Fifth pharyngeal pouches
104	The most common cause of hypercalcemia is	Primary hyperparathyroidism	Secondary hyperparathyroidism	Tertiary hyperparathyroidism	Parathyroid abcess
105	The autoimmune markers of newly diagnosed type 1 diabetes mellitus is	Glucokinase	Islet cell antibodies(ICA)	Pancreatic lipase	Pancreatic mutase
106	All the following are second-generation sulfonylureas	Glipizide	Clorpropamide	Glimepiride	Gliclazide
107	For unversal toxicology testing of urine is recommended	TO judge misuse of medication and drugs	TO avoid risk of over dose of many toxic substances	To select out antidote to overdose	All the above
108	The medical treatment of chronic ottitis media includes	Regular removal of Infected debris	Use of earplugs to protect against water exposure	Topical antibiotic drops	All the above
109	About Benign Paroxysmal Positioning Vertigo(BPPV)	Each provoke by changes in head position by the maintenance of a particular posture	The typical symptoms of BPPV persist permanently	None of CNAs disorders simulate mimiks BPPV	A single paroxysmal attack of vertigo occurs in BPPV
110	The diagnosis of oral candidiasis is not made by clinical assessment	Oral candidiasis is not painful	A wet preparation using postassium hydroxide and biopsy reveal spores	It is not the first manifestation of HIV infection	There is no effective antifungal treatment

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111	Regarding systemic hypertension	Prevalence dose not increase with age	Essential hypertension occurs in 95% hypertensives	Renal vascular hypertension is present in more than 10% patient	Most of the adverse outcomes in hypertension is associated with haemorrhage than thrombosys
112	The common identiifiable cause of hypertension are	Sleep apnea	Drug-induced or drug - related	Chronic kidney disease	All the above
113	The Blueprint priorty diseases by WHO are all the following except	Ebola and Marburg viral diseases	Hanta Virus disease	Middle East respiratory syndrome coronavirus(MERS-CoV) and severe acute respiratory syndrome (SARS) coronavirus	Zika
114	All the following are risk factors for a severe corona disease except	Old age	Comorbidities like diabetes, hypertension	Pregnancy	Cardio pulmonary disease
115	RT-PCR of nasopharyngeal swab specimens has sensitivity	~87	~63	~55	~75
116	Morning surge hypertension (MSH) is	It is a common phenomenon in hypertensives	Is a short term hypertensive variability	It is not the main culprit behind the highest occurrence of cardio cerebro vascular event occurring in the moning hours	For diagnosing MSH ambulatory BP monitoring (ABPM) is not the appropriate method
117	Post -Acute COVID-19 syndrome is defined as	Symptoms of acute- COVID-19 illness persisting for more than a couple of weeks	Respiratory illness occurring one month after recovery	Single organ or multi organ system disease occurring 6 weeks after recovery	Persistence of symptoms witnessed 12 month after initial severity
118	The following are the indicatons of use of Sodium-glucose cotransporter 2 (SGLT2) in diabetes mellitus except	Type 2 diabetic patients with good renal function	Diabetic patients with hypertension	Gestational Diabetes Mellitus(GDM)	Overweight and obese type 2 diabetic patients
119	All the following are the causes of hyperruricemia except	Under Excretion of urate	Excessive Smoking	Overproduction of urate	ATP degradatoin



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120	Risk factors of the Osmotic Demyelination Syndrome(ODS) are	Serum sodium &lt;sup>1</sup>	Hypokalemia	Alcoholism	All the above
121	Enuresis is defined as involuntary passage of urine usually beyond_____years	2	3	4	5
122	All are clinical features of Hypocalcemia except	Narrow QT interval	Carpopedal spasm	Tetany	Intracranial hypertension
123	Following vaccines are recommended to a sicklecell child (SCA) on priority except	Pneumococcal	Typhoid	Meningococcal	Varicella
124	Mainstay treatment of bronchiolitis is _____	Rabavirin	Humidified Oxygen	Inhaled steroids	Inhaled epinephrine
125	As per NADAS' Criteria for diagnosis of heart disease all are MAJOR criteria except_____	Systolic murmur grade III or more	Cyanosis	Congestive cardiac failure	Abnormal blood pressure
126	All are true about post streptococcal AGN except_____	RBC cast in urine	Hypertension	Azotemia	Normal C3 level
127	Commonest form of congenital adrenal hyperplasia (CAH) is ___deficiency	21 Hydroxylase	17 α Hydroxylase	18 Hydroxylase	18 Oxydase
128	All are used for intermittent prophylaxis (IP) of febrile seizure except _____	Diazepam	Clobazam	Leviteracetam	Valproic acid
129	MC congenital heart disease associated with Down syndrome is _____	VSD	TOF	Endocardial cushion defect	TGA Physiology
130	Hand foot mouth disease (HFMD) is caused by which virus?	POX Virus	Coxsackie	Herpes	Covid 19
131	Which of the following is not the cause of metabolic acidosis?	Renal insufficiency	Hypoxia	Repeated vomiting	Starvation
132	Hypernatremia is said to occur when sodium levels are	130 meq/L	135 meq/L	140 meq/L	150 meq/L
133	Total Body water is	60% of Body weight	80% of Body weight	50% of Body weight	40% of Body weight
134	Which is not the cause of persistence of sinus ?	Granulation tissue	Foreign body underneath	Non dependent drainage	Dense Fibrosis
135	Tuberculous Ulcer has	Punched out edges	Sloping edges	Undermined edges	Everting edges
136	Healing by first intention occurs in	Clean incised wound	Wound with tissue loss	Wound after debridement	After Skin grafting
137	Which is not true for Venous Ulcer	Also known as Gravitational Ulcer	Ambulatory venous hypertension is one of the primary cause	Ulcer is often large and non-healing	Commonly develop around knee area
138	Which is not commonly used as sclerosing agent?	Sodium Tetradecyl Sulphate	Sodium Morrhuate	Sodium Chloride	Ethanol Amine Oleate
139	Circoid aneurism is type of	Capillary haemangioma	A-V fistula	Hamartoma	Thrombus
140	Carcinoma breast is more common in	Upper and outer quadrant	Upper and Medial quadrant	Lower and outer quadrant	lower and medial quadrant

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141	paget disease of the nipple of breast is	Eczema	Dermatitis	Necrotising infection	Superficial manifestation of underlying carcinoma
142	Incidentaloma of adrenal gland are commonly	Non -functioning adenomas	Adreno cortical carcinoma	Pheochromocytoma	Cushing's adenoma
143	Which is not a complication of Ileostomy?	Retraction	Fistulation	Malignancy	Bleeding
144	Which is not true for Meckle's diverticulum?	Present in about 2% population	2 inches Long	2 feet from ileocaecal junction	2 cm diameter
145	Succussion splash is usually seen in	Gastro-esophageal reflux disease	Biliary stricture	Gastric outlet obstruction	Acute pancreatitis
146	Fluoro deoxy glucose (FDG) is commonly used in	CECT	PET	MRI	DSA
147	Helicobacter pylori is commonly associated with	GERD	Carcinoma stomach	Gall Stones	Cholangio carcinoma
148	Which is not a cause of hypercalcaemia?	Parathyroid adenoma	Obesity	Prolonged immobilisation	Sarcoidosis
149	Which is not true for polycystic disease of kidney?	An autosomal dominant disease	Multisystem disorder	Polycystin-1 and polycystin-2 proteins play an important role	Usually manifest in first decade of life
150	Which is not an indication of circumcision?	Recurrent balanoposthitis	Phimosis	Carcinoma penis	Social and religious reasons
151	Codman's triangle seen on radiograph in osteogenic sarcoma is	Reactive bone formation by normal periosteum	Malignant bone formed by tumour osteoblasts	Bone formed due to dystrophic ossification	Bone formed due to myositis ossificans
152	Nerve root supply of hip abduction is	L 1,2	L 2,3,4	L 4,5,S1	L5, S1
153	Calcium pyrophosphate dihydrate causes	Gout	Pseudogout	Supra spinatus calcification	Haglund's disease
154	Regarding 'Pulled Elbow', the following statement is FALSE	It is downward dislocation of radial head	Common under the age of 6 years	Elbow is fully extended and pronated	Child supports the limb in flexion and supination
155	Chronic injury to medial collateral ligament of elbow is termed	Tennis elbow	Golfer's elbow	Javelin thrower's elbow	Baseball pitcher's elbow
156	Avascular necrosis of scaphoid is known as	Kienbock's disease	Preiser's disease	Kohler's disease	Friberg's disease

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157	Confirmatory sign of sciatic nerve tension is	Lasegue's test	Braggards test	Browstring sign	Neri's test
158	In circulatory shock, the following is not due to reduction in cardiac output	Distributive shock	Hypovoluemic shock	Obstructive Shock	Cardiogenic Shock
159	Electric light bulb' appearance on radiograph is characteristic of	Anterior dislocation of shoulder	Fracture dislocation of proximal humerus	Posterior dislocation of shoulder	Inferior dislocation of shoulder
160	As regards femoral shaft fracture , if the butterfly fragment involves more than 50 percent of bone width, Winquist classifies it as	Type 1	Type 2	Type 3	Type 4
161	Juvenile respiratory papillomatosis is most commonly caused by human papilloma virus	Type 2	Type 18	Type 6	Type 31
162	Griesoinger's sign is present due to thrombosis of	Internal Jugular Vein	Canvernous sinus	Sagittal sinus	Mastoid emissary vein
163	All are pre cancerous conditions except	Amyloidosis	Keratosi	Leukoplakia	Papilloma
164	All are true about phrenic nerve except	Arises from cervical nerves 3,4,5	Lies within the caritid sheath	Supplies the diaphragm	Located on the anterior surface of the anterior scalene muscle
165	Most common congenital anomaly of the Branchial system	Cystic Hygroma	First Branchial cleft cyst	Thyroglossal duct cyst	Second bronchial cleft cyst
166	Rider are commonly seen in	Blue dot cataract	Zonular cataract	anterior polar cataract	coronary cataract
167	Polychromatic lusture is seen in	Zonular cataract	posterior subcapsular cataract	anterior subcapsular cataract	nuclear cataract
168	Lens capsule is thinnest at the	Centre anteriorly	Center Posteriorly	at equater	Superiorly
169	Neuroparalytic keratitis is caused by paralysis of	Optic nerve	Trigeminal nerve	facial nerve	oculomotor nerve
170	recurrent corneal erosion is a feature of	Keratoglobus	keratoconus	glaucoma	corneal dystrophy
171	Which is not true about active management of third stage of labour (AMTSL)?	Injection of uterotonic within 1 Minute of delivery of the fetus	Clamping the cord	Delivery of the placenta by controlled cord traction	Injection of uterotonic after 1 minute of delivery of the fetus
172	Which of the following is not a sign of pregnancy ?	Hingorani Sign	Goodell's Sign	Osiander's sign	Jacquemier's Sign
173	Which vaccine can be given safely during pregnancy	Rubella vaccine	Rabies vaccine	Yellow fever vaccine	Varicella vaccine
174	Which contraceptive methods are not ideal for a lactating woman after delivery ?	Progestin only pill	Intrauterine contraceptive device(IUCD)	Combined oral contraceptive(COC)	Barrier method

**ODISHA PUBLIC SERVICE COMMISSION**  
**Recruitment to the Post of Medical Officers(Asst. Surgeon) [Advt. No. 09 of 2020-21]**  
**Question paper of the Computer Based Recruitment Exam held on 28.04.2021**

Sr No	QUESTION	OPTION A	OPTION B	OPTION C	OPTION D
175	Which of the following is not true about blighted ovum ?	It is a sonographic diagnosis	Fetal pole is absent	Gestational sac is absent	It's other name is anembryonic pregnancy
176	Which of the following is not true regarding preeclamsia?	Absolute rise of blood pressure above 140/90	Proteinuria	Grand mal seizure	Development after 20 weeks of pregnancy
177	Which is not a complication of placenta praevia?	Rupture uterus	Antepartum haemorrhage	Malpresentation	Postpartum haemorrhage
178	Commonest cause of anaemia in pregnancy is	Sickle cell anaemia	Iron deficiency anaemia	Dimorphic anaemia	Megaloblastic anaemia
179	What is false regarding DIPSI(Diabetes In Pregnancy of India) recommendation for screening of gestational diabetes mellitus?	75 grams oral glucose is given	It must be done in fasting state	2 hour venous glucose estimation is done	Cut off for diagnosis is above 140 mg/dl
180	Most common cause of breech presentation is	Hydrocephalous	Bicornuate uterus	Hydramnios	Prematurity
181	Which is not a contrindication of combined hormone therapy ?	Known, suspected or history of breast cancer	Undiagnosed genital tract bleeding	Spasmodic dysmenorrhoea	Active liver disease
182	Which is not a common cause of vaginitis in a lady of reproductive age ?	Moniliasis	Bacterial vaginosis	Atrophic vaginitis	Trichomoniasis
183	The acronym PALM-COEIN refers to cause of	Vaginitis	Abnormal uterine bleeding	Postmenopausal bleeding	Cancer cervix
184	Fothergill's-Manchester operation is done for	Fibroid uterus	Stress incontinence	Genital prolapse	Infertility
185	Which of the following is not used for ovulation induction?	Letrozole	Human menopausal gonadotrophin(hMG)	Clomiphene citrate	Prostaglandin-E
186	Commonest type of fibroid uterus is	Intramural	Submucous	Subserous	Panuterine
187	Which of the following is not true regarding Dermoid cyst of ovary ?	Torsion is common	Risk of malignancy is very high	It arises from germ cell	It may contain thyroid tissue(Struma ovarii)
188	Which of the following is not true regarding endometriosis?	Asymptomatic in a good number of cases	Frequent association with infertility	Symptoms aggravate during pregnancy	Subjective symptoms are not always proportionate to objective findings

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Sr No	QUESTION	OPTION A	OPTION B	OPTION C	OPTION D
189	What is the correct dosing pattern of Quadrivalent HPV vaccine to a girl of 16 years of age ?	0 <sup>th</sup> , 2 <sup>nd</sup> and 6 <sup>th</sup> months	0 <sup>th</sup> , 3 <sup>rd</sup> and 6 <sup>th</sup> months	0 <sup>th</sup> , 4 <sup>th</sup> and 6 <sup>th</sup> months	0 <sup>th</sup> , 1 <sup>st</sup> and 6 <sup>th</sup> months
190	Which of the following is used as an emergency contraception?	levonorgestrel	Cabergolin	Letrozole	Metformin
191	During spinal anaesthesia using midline approach, the spinal needle penetrates all layers, except	Ligamentum flavum	Intraspinous ligament	Posterior longitudinal ligament	Supraspinous ligament
192	A 40 year old female posted for laparoscopic cholecystectomy having intermittent porphyria. Which of the following anaesthetic agent is contraindicated in this patient ?	Ketaminf	Etomidate	Propofol	Thiopentone
193	Pulse oximetry utilizes two wavelengths to calculate oxygen saturation . These wavelengths are in _____nm	548 and 980	660 and 940	640 and 960	480 and 720
194	End products of the reaction in a sodalime co <sub>2</sub> canister are	Sodium hydroxide + water	Carbonates + water + heat	Sodium hydroxide + carbonate + water	Sodium hydroxide + carbonate + water + heat
195	Cricoid pressure during endotracheal intubation has the following effect	Prevents the aspiration	Improves the airway visualisation	Decreases the risk of spine injury	Makes the patient haemodynamically stable
196	The Fours A's of Eugene Bleuler are associations, affect, autism and _____	Automatism	Anhedonia	Ambivalence	Autoscopy
197	Which among the following is a disorder of thinking as per the Criteria set A of the DSM-5 Diagnostic Criteria of Schizophrenia ?	Delusions	Hallucinations	Disorganized speech	Negative symptoms
198	Lifetime prevalence rate of Bipolar I Disorder is between	0-5 %	6-10 %	11-15 %	16-20 %
199	Which among the following is commonly found in Dementia but not in Delirium?	Rapid onset	Fluctuating attention	Reduced awareness	Normal alertness
200	The benzodiazepine commonly used to treat symptoms of alcohol withdrawal is	Alprazolam	Chlordiazepoxide	Nitrazepam	Etizolam