

**KHYBER MEDICAL COLLEGE PESHAWAR
(EXAMINATION SECTION)
INTERNAL EVALUATION EXAMINATION
BLOCK- (L)
4th YEAR MBBS (Held on 30-Oct-2024)**

Max Marks: 120

Time Allowed: 120 Minutes

Note: Attempt ALL MCQ's.
 • Use only blue / black pen. Use of mobile phones and other electronic accessories are strictly prohibited.
 • Carefully shade paper type and your correct roll no in response sheet
 • Student's result will be declared "Under Report "if (i) MCQ question paper is not returned back along with response sheet or is tempered by the student (ii) The roll number is not written on the said paper"

1.	An Adult male of 1.75 square meter surface area attained 1680 kcal of energy yesterday of which 50% was from fats. How much grams of fats was utilized for this purpose?	A 80 gm	B 83 gm	C 86 gm	
		D 89 gm	E 93 gm		
2.	A 50-year-old patient with severe inflammation and pain due to an autoimmune disorder was prescribed a glucocorticoid. Which of the following glucocorticoids is highly potent?	A Cortisone	B Dexamethasone	C Methylprednisolone	
		D Prednisolone	E Triamcinolone		
3.	A 50 years old male patient was admitted in nephrology ward with symptoms of blood in urine, flank pain, lethargy and weight loss. Renal cell carcinoma was diagnosed on MRI. The cytogenetics studies was performed on a renal tumor which demonstrated the presence of terminal deletion of the short arm of chromosome 3. Which of the following is the most likely diagnosis?	A Collecting duct carcinoma	B Oncocytoma	C Renal cell carcinoma chromophobe type	
		D Renal cell carcinoma clear cell type	E Renal cell carcinoma papillary type		
4.	A 65-year-old woman attends clinic with a large prolapse. She underwent abdominal hysterectomy at the age of 42 for heavy periods, and later required a second laparotomy for a large left-sided ovarian cyst, which was complicated by dense abdominal adhesions. She has no other significant history. On examination she had a vaginal vault prolapse that extended beyond the introitus and also had a very deficient perineum with a large vaginal opening. She is married and wishes to resume her marital relationship with her husband. What is the best option for treatment for this patient? Choose the single best answer.	A Abdominal sacrocolpopexy	B Antero-posterior repair	C Colpocleisis	
		D Insertion of a vaginal pessary	E Vaginal repair with sacrospinous fixation		
5.	A 12 years old boy was brought to paediatrician with history of fever, sorethroat and joint pains. He was prescribed medicines and sent home. The boy was completely fine, but after two weeks he suddenly developed fever, hematuria and rash on body. Lab investigations revealed raised serum creatinine. Which of the following cells can be seen in the blood film and urine R/E in this case?	A Basophils	B Eosinophils.	C Lymphocytes	
		D Neutrophils.	E Pus cells.		
6.	A 17 years old thin lean girl has not started menarche. On complete workup no cause found. What is the condition known as?	A Menopause	B Hysterectomy	C Constitutional delay	
		D Premature ovarian failure	E Hermaphrodite		
7.	A 70-year-old male patient with a history of BPH is prescribed medication to manage his symptoms. Which class of medications is commonly used to treat BPH by relaxing the smooth muscle of the prostate and bladder neck?	A Antibiotics	B Alpha-blockers	C Anticholinergics	
		D Beta-blockers	E Antimuscarinics		
8.	A five year old girl has been passing urine frequently for the last 2 days and complaining of pain when doing so. She is febrile with temprature 39C and has shivering as well. She also complains of backache and has vomitted 3 times today. On examination she looks unwell, febrile, and tachycardic. Her respiratory rate is 25/min and her O2 Saturation is 99 % in room air. Her abdomen is soft, not distended but there is tenderness on palpating the right loin. Urine dipstick shows leucocytes ++, Nitrites +++, blood trace. What is the most likely diagnosis?	A Acute Cholecystitis	B Acute Pancreatitis	C Appendicitis	
		D Cystitis	E Pyelonephritis		

9.	A 40-year-old patient is receiving a kidney transplant from a living donor, who is a close family member. What is this type of transplant called?	A Autograft	B Isograft	C Xenograft
		D Allograft	E Heterograft	
10.	A 15-year-old girl presented to gynae OPD with no menses. Ultrasound confirms blind vaginal vault with absence uterus and cervix. What test would be most useful in this patient?	A Serum prolactin level	B Karyotyping	C Serum TSH
		D Beta HCG	E Alpha fetoprotein levels	
11.	A 45 years old patient has a negative metastatic workup for carcinoma cervix. Her local examination shows a growth in the cervix extending beyond the cervix and involving the vagina (but not lower third) and infiltrating the parametrium but not reaching the pelvic side walls. Her preliminary clinical stage is which of the following?	A IA	B IB	C IIA
		D IIB	E IIIA	
12.	A 60 year man recently retired from fire proof textile industry developed dysnoea while climbing stairs. On investigation, x ray showed ground glass appearance in lower two third of lung fields. Which of the following occupational disease the man suffered from?	A Anthracosis	B Asbestosis	C Silicosis
		D Siderosis	E bagasosis	
13.	A 55 years old woman comes to surgical OPD with complains of itching and scaling of the left breast nipple area. While taking biopsy, a 2 cm palpable mass was also noted under the skin of the nipple. Probable diagnosis was made to be Paget's disease. Which of the following is likely to be an association?	A Fibroadenoma	B Infiltrating ductal carcinoma	C Invasive lobular carcinoma
		D Intraductal papilloma	E Lobular carcinoma in situ	
14.	A 23 year old presented to emergency department with history of vomiting and watery diarrhea for 2 days. His observations are as follows; blood pressure 105/72 mmHg, pulse 94 bpm, respiratory rate 14/min, temperature 36.9 deg C. On examination, the abdomen is soft and non-tender. Capillary refill time is 2 seconds and his skin turgor is normal. The patient's mucous membranes appear dry. His GCS is 15/15 and he is answering all questions appropriately. His initial blood tests show the following: Na+123 mmol/L(135 - 145), K+3.6 mmol/L(3.5 - 5.0), Urea10.3 mmol/L(2.0 - 7.0), Creatinine 131 µmol/L(55 - 120). With regards to this patient's hyponatremia, which of the following is the best approach?	A Encourage PO fluids	B Fluid restriction to less than 1 litre a day	C IV 3% sodium chloride
		D IV 5% dextrose	E IV isotonic normal saline	
15.	A 60 years old male patient presents with sudden onset sharp pain in right flank and right side of scrotum. There is associated hematuria. Ultrasound scans shows a stone impacted in ureter. Stones were removed through surgical intervention and it was later found that the patient had gout and associated hyperuricemia. What is the prevalence of uric acid stones in general population?	A 6-9%	B 16-19%	C 75%
		D 80%	E 90%	
16.	Turkey was recently struck with massive earthquake. The NDMA of Pakistan has prepared building codes to cope with the underlying risk of disaster due to earthquake. Which of the following term related to disaster cycle will you apply?	A Mitigation	B Preparedness	C Recovery
		D Rehabilitation	E Response	
17.	A 27 years old woman came to opd with 3months amenorrhoea, now complaining of pv bleeding from last 4 hrs and cramping abdominal pain. She is vitally stable and afebrile. On pelvic examination uterus is 6 weeks size, os is open and mild per vaginal bleeding seen. What is the likely diagnosis?	A Inevitable miscarriage	B Missed miscarriage	C Incomplete miscarriage
		D Threatened miscarriage	E Septic miscarriage	
18.	A 55-year-old woman was admitted as an inpatient with urosepsis and an acute kidney injury (AKI). Throughout her admission, she had recurrent severe hyperkalemia that only transiently improve with insulin and dextrose infusions. She takes no regular medications and has no significant past medical history. What would be an additional prescription to help prevent this recurrence?	A Calcium Gluconate	B Calcium resonium	C Furesemide
		D Magnesium supplementation	E Spironolactone	

19. Chlorine in the form of bleaching powder is the most commonly used disinfectant used for water purification because it is effective, inexpensive, easily available and easy to use. However it loses its affectivity if the chlorine content in it drops due to exposure to light and moisture. What is the minimum chlorine content in bleaching powder for effective disinfection?
- A Less than 5% B 5-10% C 10-20%
D 35-70% E 75-100%
20. A 20 years old primigravida presented at 2 months of gestational amenorrhoea with the complaint of excessive nausea and vomiting, palpitations and restlessness. Her ultrasound shows complete hydatidiform mole with Bhcg of 100,000. Which endocrinological condition is associated with this patient?
- A Diabetesmellitus B Hypertthyroidism C Hypothyroidism
D Hyperprolactinemia E Shehansyndrome
21. A 35-year-old male patient presents to the family medicine clinic with complaints of heartburn and regurgitation of stomach contents into his throat, especially after meals. He also experiences nocturnal cough and occasional hoarseness. His symptoms are relieved by antacids. What is the most likely diagnosis?
- A GERD B Esophageal Varices C Gastric cancer
D Hiatal hernia E Peptic ulcer
22. A 45 years old woman comes to gyne OPD with complaints of abnormal bleeding per vaginum for the last one year. Biopsy of the lesion was sent for histopathology which revealed endometrial carcinoma. What is the peak incidence of endometrial carcinoma?
- A At any age B Perimenopausal years C Premenopausal years
D Postmenopausal years E Reproductive years
23. A forty-year-old woman came to the outpatient department with a lump in the left breast. The lump is soft but not mobile. There is no nipple discharge. What is the most appropriate screening test for the diagnosis of the condition?
- A Breast ultrasound B Mammography C MRI scan
D Fine needle aspiration (FNA) E Self-examination
24. A child of 1 year presents with muscle wasting, loss of subcutaneous fat with no signs of edema and weight below 60% of WHO standard. The mother gives history of not giving enough proteins and other nutrients to the child after six months of age. What is the likely diagnosis?
- A Kwashiorkor B Marasmus C Marasmus & kwashiorkor
D Under nutrition E Vitamin B1 deficiency
25. A 40 years old P5 has presented with excessive menstrual bleeding for the last 3 years. Clinically she is anaemic with Hb of 8gm/dl. You did pelvic ultrasound which shows fibroid 5x8 cm in posterior uterine wall. Which one of the following will be considered as accepted amount of blood loss?
- A More than 60 ml B More than 5 ml C More than 80 ml
D More than 300 ml E More than 150 ml
26. A 13 years old girl is brought in Gynae OPD by her mother with the complaint of irregular heavy menstrual bleeding. On examination, she looks pale. Her full blood count shows an Hb of 8gm/dl with normal platelet count. Her pelvic ultrasound is normal. What is the most likely cause of her condition?
- A Hypothyroidism B Immature HPO axis C Thrombocytopenia
D Hypopituitarism E Ovarian cyst
27. During 5th year MBBS class a student falls in class rank from first place to last place. She has also noted a lower pitch to her voice and coarsening of her hair along with increased tendency towards weight gain, menorrhagia and increased intolerance to cold. What relevant investigation will you perform in this case?
- A ACTH B GH C GTT
D LH&FSH E TFTs
28. You are consulted on a 28-year-old man with IgA nephropathy and proteinuria of 1.2 g/day. His BP is 134/84 mmHg with a heart rate of 70 BPM. His creatinine is 1.0 mg/dL. He has no other symptoms. Which one of the following medications you recommend to improve his proteinuria?
- A Amlodipine B Atenolol C Chlorthalidone
D Lisinopril E Prednisone
9. A 60-year-old patient with history of diabetes for the last 3 years presents with abdominal mass. His serum creatinine on arrival was 1.2mg/dl. CT scan abdomen with contrast was done, 48 hours later repeat labs show a serum creatinine of 2.2mg/dl. His pulse is 86 beats per minute and BP is 110/80mmHg. what is the most likely cause of derangement?
- A Acute interstitial nephritis B Cholesterol emboli C Contrast-induced nephropathy
D Hypovolemia E Sepsis causing renal impairment

30. A 45-year-old known diabetic patient comes to the outpatient department of tertiary care hospital. He is having all the symptoms of the condition. The most appropriate test for checking mean plasma glucose concentration over the previous 8-10 weeks is:
 A Haemoglobin A1c B Fasting plasma glucose concentration C Random blood sugar test
 D Oral glucose tolerance test (OGTT) E Fructosamine test
31. A five year old female child presents to OPD with periorbital swelling and proteinuria. She has pulse rate of 70/min and her blood pressure is 95/53 mmhg which is normal on centile chart. Which protein is likely to be found in large amount in this patient's urine?
 A Immunoglobulin G B Immunoglobulin A C Albumin
 D Albumin, Immunoglobulin G E Albumin, Immunoglobulin G, Immunoglobulin A
32. A 20 years old woman was referred by her GP to gynae OPD with facial hair growth and acne. She first noticed the problem when she was 18 years old, there is no significant medical history. Her BMI was 29. Her cycle is 30 to 35 days in duration. Her periods were not painful and there was no intermenstrual bleeding or discharge. Her hormonal profile is normal. The most probable diagnosis in this case would be?
 A Polycystic ovarian syndrome B Premature ovarian failure C Premenstrual syndrome
 D Hypothyroidism E Hypoandrogenism
33. A 65 years old obese woman presents to gynaecology OPD with postmenopausal bleeding. She has type 2 diabetes. On speculum examination there is bleeding from cervical os and on bimanual pelvic examination there is a bulky uterus. What is the most likely diagnosis?
 A Cervical Carcinoma B Endometrial Carcinoma C Ovarian Carcinoma
 D Uterine Prolapse E Vulval Carcinoma
34. An obese, diabetic 46 year old woman presents with heavy, erratic and prolonged menstrual bleeding. Which of the following investigations will help us most in her management?
 A MRI pelvis B Cervical Smear C Saline infusion sonography
 D Endometrial Biopsy E Transabdominal ultrasound
35. A 72 years old diabetic type 2 woman diagnosed with endometrial cancer. A transvaginal ultrasound measures her endometrial thickness to be 10mm. What is the most important staging investigation?
 A CT Scan thorax and abdomen B Chest X-Ray C Hysteroscopy
 D MRI pelvis E Pipelle
36. A 45-year-old premenopausal woman presented with a diagnosis of estrogen receptor-positive breast cancer. Which of the following medications is most appropriate for this purpose?
 A Danazol B Letrozole C Leuprolide
 D Nafarelin E Tamoxifen
37. Urodynamic testing is recommended investigation of choice in the following patients except
 A All patients presenting with urinary incontinence B Previous continence surgery C Failed conservative measures
 D Uterovaginal prolapse E Recurrent urinary incontinence symptoms
38. A 50-year-old male patient is involved in a workplace accident where a heavy object struck his lower back. He presents with severe back pain and shock. His BP= 85/60, pulse=120 and saturation 94%. What immediate medical intervention is required for suspected renal trauma?
 A Administer antibiotics B Perform exploratory laprotomy C Begin dialysis
 D Intravenous fluids and blood transfusion E Prescribe pain medication
39. Police brought a middle-aged woman in an alleged case of concealment of birth. On examination she had enlarged breasts exuding colostrum, Montgomery's tubercles present. Uterus is relaxed and flabby at umbilical level. Lochia rubra is present in the vaginal canal. According to examination findings how many days have been passed since she has delivered the baby?
 A 1 day B 2-3 days C 4-5 days
 D 6 days E 1 week
40. A 14-years old girl came to ANE. She never had a menstrual period. She experiences severe lower abdominal pain every 28 days. On examination a bluish bulge was seen at introitus. What is the most likely diagnosis?
 A Asherman's syndrome B Imperforate hymen C Congenital Adrenal hyperplasia
 D Kallman's syndrome E Transverse vaginal septum
41. A 30 years old P2 has presented with the complaint of menorrhagia for the last 6 months with 3 fibroid in posterior uterine wall. She wants to preserve her fertility. What is the treatment option in case?
 A Myomectomy B Tranexamic acid and NSAID C Hysterectomy
 D COCP E Norethisterone

42	A 30-year-old woman is found to have a renal anomaly where one kidney is significantly smaller and non-functioning, while the other kidney is normal in size and function. What is the medical term for this condition?	A Renal hypoplasia	B Horseshoe kidney	C Renal agenesis	C
43	A 60 years old male patient was admitted in oncology ward for chemotherapy. The Patient was diagnosed as having bladder carcinoma. Which of the following factors is the most important predisposing condition for the development of bladder cancer?	D Multicystic dysplastic kidney	E Nephrotic syndrome		
44	60 years old, P6 has presented with the complaint of post-menopausal bleeding and 8backache. On cervical biopsy confirms the diagnosis of cervical cancer. Regarding the etiology of cervical carcinoma what is the most common cause of cervical carcinoma?	A Arylamine exposure	B Cigarette smoking	C Cyclophosphamide treatment	
45	A 40-year-old female patient has a family history of kidney stones and complains of recurrent abdominal pain on her right side. An ultrasound reveals a small, round stone. The stone is not visible on plain xray KUB. What type of kidney stone is most likely responsible for her symptoms?	D Human papilloma virus infection	E Schistosoma hematobium infection		
46	An infertile woman has done hysterosalpingography, report shows the absence of dye shadow on both sides of the tubes. She is having regular menstrual cycle and her husband's semen analysis is normal. The next step in her management would be which of the following?	A Human papilloma virus	B Radiation exposure	C Pollution	
47	A 32 year old woman has a pelvic ultrasound as part of investigations for primary subfertility. The scan shows bilateral 5cm 'kissing' ovarian cysts in the pouch of Douglas, both of which contain diffuse, low-level echoes giving a solid 'ground-glass' appearance. She reports severe dysmenorrhea and dyspareunia. What type of ovarian cysts are these most likely to be?	D Intravenous drug abuser	E Multiparty		
48	Waste collection system includes different color coding system. Which of the following waste must be collected in black bag?	A Calcium phosphate stone	B Uric acid stone	C Struvite stone	
49	All of the following are treatment options in patients with stress urinary incontinence except	D Cystine stone	E Xanthine stone		
50	A 50-year-old obese woman with type 2 diabetes was found to have inadequate control of her disease 2 months after starting therapy with metformin and glyburide. The physician decided to add exenatide to the treatment regimen. Which of the following molecular actions most likely mediated the therapeutic effect of the added drug in the patient's disease?	A In vitro fertilization	B Hysterectomy	C Laparoscopy	
51	A 2 months old child is brought to pediatric emergency with complaint of urinary obstruction. Ultrasound scan shows obstruction in the lower end of right ureter and grossly distorted kidney. Biopsy specimen shows ducts and tubules lined by epithelial cells and surrounded by cuffs of cellular mesenchyme. What is the most probable diagnosis on the basis of history and morphology?	D Repeat Hysterosalpingography	E Tuboplasty		
52	A 60-year-old obese woman with type 2 diabetes was found to have inadequate control of her disease 2 months after starting therapy with metformin and glyburide. The physician decided to add exenatide to the treatment regimen. Which of the following molecular actions most likely mediated the therapeutic effect of the added drug in the patient's disease?	A Dermoid cysts	B Endometriomas	C Hemorrhagic functional ovarian cysts	
		D Tubo-ovarian abscesses	E Serous cystadenomas		
		A Body parts	B Blades	C catheters	
		D Mercury compounds	E Packaging material		
		A Burch colposuspension	B Transvaginal mesh	C Pelvic floor muscle exercises	
		D Urethral bulking agents	E Urinary diversion		
		A Activation of adenosine monophosphate (AMP)-activated protein kinase	B Activation of adenosine triphosphate (ATP)-sensitive K + channels	C Activation of glucagon-like polypeptide-1 (GLP-1) receptors	
		D Inhibition of dipeptidyl peptidase-4	E Inhibition of α -glucosidase		
		A Carcinoma pelvis	B Exstrophy of bladder	C Medullary sponge kidney	
		D Multicystic dysplasia	E Renal agenesis		
		A Decrease potassium levels by unknown mechanism	B Increase gastrointestinal loss of potassium	C Increase renal excretion of potassium	
		D Intracellular shift of potassium	E Stabilization of cardiac membrane		

53	A 30 years old woman with history Of pelvic inflammatory disease presented to the emergency department with sudden onset right lower quadrant pain with nausea and vomiting. On examination, her abdomen is tender and bp 90/60, pulse 102, ultrasound shows right sided complex adnexal mass and fluid in pouch of Douglas. What is primary treatment for ectopic pregnancy in this patient?	A Surgical removal of ectopic pregnancy	B Bed rest and painkillers	C Hormonal therapy
		D No treatment, it resolves on its own	E Trans vaginal ultrasound	
54	A 6 months old baby presented with the history of bottle feeding and low birth weight. The father of the baby is labourer and having 5 more siblings. They are living in a small house. You have done Mid upper arm circumference that was 10.5 cm. Of which of the following condition will you label this child?	A Acute malnutrition	B Moderately acute malnutrition	C Severely acute malnutrition
		D Stunting	E Wasting	
55	In a couple initial workup for infertility which of the following set of investigation you will advise?	A Husband semen analysis, Chest X ray, ovulation test	B Semen analysis, tubal patency test, ovulation test	C Hormonal profile, ovulation test, Ultrasound
		D Ultrasound, testicular biopsy, hormonal profile	E Husband semen analysis, ultrasound, hormonal profile	
56	You are working as medical officer in a remote area of Chitral. Many children presented to you with complaints of brown, black or some with yellow discolouration of teeth. The Public health authorities have taken samples of water of the area and amalysis showed excess of a trace element. Which of the following condition does the children suffered from?	A Dental carries	B Dental fluorosis	C Lead poisoning
		D Infant Methemoglobinemia	E Hyperthyroidism	
57	Which of the following tests can be used to assess kidney functions at tubular level?	A Creatinine clearance	B Cystatin C	C Calculation of GFR
		D Fractional excretion of Na	E Serum Urea	
58	A 48 year old woman presents with worsening frequency, urgency and nocturia despite limiting caffeine intake, bladder re-training and quitting smoking. Which of the following drugs can be used as second line of management?	A Oxybutynin	B Tolterodine	C Topical Estrogen creams
		D Darifenacin	E Solifenacin	
59	A 20-year-old athletic man with no significant past medical history is found to have isolated asymptomatic microscopic haematuria on routine physical exam. He is not on any medications and does not use illicit drugs. Which one of the following observations suggests haematuria of glomerular origin?	A Absence of RBC and WBC casts.	B Decoy cells" in urine sediment	C Dysmorphic RBCs or acanthocytes in urine sediment
		D Isomorphic red blood cells (RBCs) in urine sediment	E Isomorphic RBCs and white blood cells (WBCs) in urine sediment	
60	A 28years old female presented with severe lower abdominal pain and vaginal bleeding. She reports missed periods and positive pregnancy test. On physical examination, there is tenderness in right iliac fossa. What is most likely diagnosis?	A Acute appendicitis	B Ectopic pregnancy	C Norma intrauterine pregnancy
		D PID	E Urinary tract infection	
61	An 18 years old girl presented with a round, painless and very mobile lump in her right breast that she noticed about a week ago. What would be the radiological investigation of choice?	A Ultrasound	B Mammogram	C CT Scan
		D MRI	E Chest X-ray	
62	A 46 year old school teacher, presents with symptoms of leaking urine on coughing, sneezing and while exercising. She is not obese, has no co-morbid. On examination she has moderate cystocele and minimal rectocele. What is the best first line of treatment for this patient?	A Vaginal estrogen creams	B Supervised pelvic floor exercises	C Anticholinergic medications
		D Burch Colposuspension	E Insertion of mid urethral tape	
63	A 50 years old patient with long standing features of anorexia, nausea, generalized weakness and depressive symptoms. On examination, his blood pressure 180/100. Lab results shown Hb 8 gm/dl, SGPT 42, S Creatinine 6 gm/dl (0.5 -1.5 mg/dl), S calcium 12 gm/dl (8.5 -10.5 mg/dl), S PTH 400 pg/ml (10 -55 pg/ml). What is the Most likely cause of hypercalcaemia in this patient?	A Parathyroid Adenoma	B Parathyroid Carcinoma	C Tertiary Hyperparathyroidism
		D Renal Cell carcinoma	E Pagets Disease	

A 30 years old P3 presented with the complaint of gestational amenorrhoea of 6 months and vomiting and vaginal bleeding. Ultrasound examination shows snow storm appearance. Her fundal height was 28 weeks. What is the most appropriate treatment modality in this patient?

- A Dilatation and curettage
- B Hysterotomy
- C Misoprostol
- D Prostaglandin E2
- E Suction curettage

65 A renal biopsy specimen of a 58 years old male with a history of uncontrolled hypertension was sent to hospital lab for a histopathologist opinion. While performing gross examination of the renal biopsy, the histopathologist noticed that the capsule was adherent to cortical surface. Kidney surface was finely granular and showed V-shaped areas of scarring. What could be the possible cause of these findings?

- A Glomerulonephritis
- B Malignant hypertension
- C Nephrosclerosis
- D Nephrotic syndrome
- E Renal artery sclerosis

66 A 28 years old P3 has presented with the complaint of vaginal discharge and post-coital bleeding. On per speculum examination, her cervix is red and inflamed. She is advised pap smear and cautery cervix. Regarding pap smear who should be screened?

- A 15 to 20 years girls
- B Young women under 21 years
- C Women aged 21-65 years
- D Older women > 65 years
- E Post-menopausal women

67 Police caught a renal transplant surgeon red handed for doing illegal renal transplants in a private setup. He now has been charged with violation of human tissue and organ transplant act. According to human organ transplant act of Pakistan what penalty he could face?

- A Imprisonment for up to 1 year and permanent removal of name from PMDC
- B Imprisonment for up to 2 years only
- C Imprisonment for up to 5 years and removal of name for 2 years initially
- D Imprisonment for up to 10 years and removal of name for 3 years initially
- E Removal of name from PMDC permanently

68 16-years old girl presented to gynae OPD with primary amenorrhea. She has normal secondary sexual characteristics. What is the first line investigation of choice?

- A X-ray abdomen
- B Ultrasound abdomen and pelvis
- C MRI pelvis
- D CT scan
- E Serum FSH and LH levels

69 Incineration of hospital waste is done in various form of incinerators. Which of the following waste must not be incinerated?

- A Broken thermometers
- B Catheters
- C Juice boxes
- D Syringes
- E Vaccines vial boxes

70 You are examining a young girl aged 13 years with a history of sexual assault (rape). After all the physical examination, now you need to collect evidence for DNA in order to identify the suspect. There are no seminal stains present on the body and belongings of the victim. Which of the following samples you will chose from the victim to get the DNA of the suspect?

- A Lose hairs, blood, clothes, vaginal swabs, urine
- B Lose hairs, nail scrapings, vaginal swabs, slivary stains
- C Nail scrapings, clothes, lose hairs, urine
- D Nail scrapings, vaginal swabs, blood, urine
- E Slivary stains, vaginal swabs, urine, clothes

71 A woman who was 34th week pregnant was forced to abort her baby by her in laws as they didn't want her to continue her pregnancy which was affecting her earnings. Due to which the baby died during expulsion. What is punishment for her in laws for such a crime according to Pakistan penal code?

- A Full Diyat and imprisonment for life
- B 1/20th of Diyat and imprisonment for 7 years
- C 1/20th of Diyat and imprisonment for 10 years
- D 1/10th of Diyat and imprisonment for 10 years
- E 1/10th of Diyat and imprisonment for 07 years

72 A 10 days old male baby was brought to pediatric OPD with complaints of fever and irritability and dribbling urine from the baby's umbilicus. On the basis of history and examination, what is the most likely diagnosis in this case?

- A Exstrophy of the bladder
- B Hydronephrosis
- C Patent urachus
- D urinary retention
- E Vesicoureteric reflex

73 A 35 years old lady presents with milk discharge from her both the nipples. She has also been experiencing headaches and has got secondary infertility. Which of the following blood tests is most likely to help you to reach your diagnosis?

- A Cytology of discharge
- B C/S of discharge
- C Serum Prolactin level
- D Mammogram
- E MRI of the breasts

74	A palpable mass was noted in right lobe of thyroid of a 45 years old man along with enlargement of cervical lymph nodes. Histopathological study revealed tumor cells having ground glass appearance (Orphan Annie) nuclei. What is the most likely diagnosis?		C	Medullary carcinoma
	A	Anaplastic carcinoma	B	Follicular carcinoma
	D	Papillary carcinoma	E	Parathyroid carcinoma
75	An acutely ill 20 years old female student is brought to emergency with fever, hypotension and obtunded mental status. Numerous petechiae and purpuric hemorrhages are scattered over the trunk. Gram stain reveals gram negative diplococci. Serum sodium is markedly decreased while serum potassium is increased. PT, APTT and d/Dimers are increased. What is the most likely diagnosis?			
	A	Acute kidney failure	B	Addison Disease
	D	Hemophilia	C	Disseminated intravascular coagulation.
	E	Waterhouse Friderichsen Syndrome		
76	Recently National disaster management authority gave a forecast of river flood in district Charsaddah. Which of the following classification will you categorize for the flood disaster?			
	A	Greenhouse effect	B	Manmade disaster
	D	Topological disaster	E	Tectonic disaster
			C	Metrological disaster
77	A 30 year old lady having two kids visited a nearby family planning facility. She is having history of high blood pressure and is on antihypertensive drugs. She wants contraception for 5 years, which of the following contraceptive method will be best suited for this lady?			
	A	Barrier methods	B	Injectable contraceptives
	D	Oral contraceptive pills	E	Tubal ligation
			C	IUCD
78	A 50 years old male officer gave his blood for annual checkup. His fasting plasma glucose was found to be 142mg/dl. He was advised HbA1C for re-testing of diabetes mellitus. The result of A1C was found to be 6.8% (HPLC). Now he wants your opinion. Keeping in view the latest recommendations by international bodies which of the following you think is the best option for this patient?			
	A	Diabetes mellitus is confirmed	B	Requires repeating of A1C
			C	Requires repeating fasting plasma glucose
	D	Requires OGTT	E	Requires Urinalysis
79	A country with population of 220 million has Crude Birth Rate of 27/1000 population and Crude Death Rate of 7/1000 population, through which stage this country is passing			
	A	High stationary	B	Low stationary
	D	Late expanding	E	Declining
			C	Early expanding
80	A 32-year-old woman with a history of infertility consulted her fertility specialist for treatment options. The doctor prescribed clomiphene citrate as an initial treatment for ovulation induction. Which side effect of clomiphene should the doctor consider in this patient's case?			
	A	Dysfunctional uterine bleeding	B	Ectopic pregnancy
	D	Ovulation failure	E	Ovarian Hyperstimulation Syndrome
			C	Infertility
81	A young boy aged 12 years old came to you with complaints of bleeding per rectum after examination you suspect him as a case of sexual assault (sodomy). Which section of Pakistan penal code deals with such a case?			
	A	370 ppc	B	373 ppc
	D	376 ppc	E	377 ppc
			C	374 ppc
82	A 60-year-old woman presents with a large pelviabdominal mass extending to the level of the xiphisternum. It has a heterogenous appearance on scan with solid and cystic components. The rest of the pelvis and abdomen appears normal and there is no free fluid. The ca 125 level is 430 units. She is asymptomatic. How would you manage this patient? Choose the single best answer.			
	A	Laparoscopic ovarian cystectomy	B	Laparoscopy, total abdominal hysterectomy, BSO, pelvic and para-aortic lymph node sampling, omentectomy and debulking of tumor deposits.
			C	Repeat scan and Ca125 in 3 months to check for interval change.
	D	Six cycles of neoadjuvant carboplatin and paclitaxel-based chemotherapy followed by restaging CT scan at 3 months	E	Ultrasound-guided transcutaneous aspiration of ovarian cyst fluid and cytological assessment.
83	A 68 years old male patient came to medical OPD with symptoms of low grade fever with weight loss, blood in urine and flank pain. There was a palpable mass in the right flank. Ultrasound showed right sided renal mass. Biopsy was taken for histopathology which revealed an epithelial tumor composed predominantly of cells with abundant granular cytoplasm and a compact acinar growth pattern. Which of the following is the most likely diagnosis?			
	A	Conventional (clear cell) carcinoma	B	Polycystic kidney
	D	Sarcoma of the kidney	E	Wilms tumor
			C	Medullary sponge kidney

	A 25 years old women came to OPD with 2 months amenorrhea with slight spotting since 1 day with no abdominal cramps or pain. Her Urine pregnancy test is positive. On bimanual exam uterus is 8 weeks size and on per vaginal examination os is closed. What do you do next to confirm the diagnosis?				C
	A B HCG	B CBC	C Ct scan		
	D Hormonal profile	E Transvaginal ultrasound			
5	A 65-year-old patient presents with painless hematuria (blood in urine), fatigue, and unintentional weight loss. Imaging shows a large tumor arising from the renal pelvis. What type of renal tumor is most likely responsible for these symptoms?				
	A Renal cell carcinoma	B Wilm's tumor	C Transitional cell carcinoma		
	D Angiomyolipoma	E Oncocytoma			
86	A 20 years old female was diagnosed with Pulmonary Tuberculosis and started on anti TB drugs. The patient developed yellow discoloration of the sclera 20 days later with a Bilirubin of 5 mg/DL and ALT of 510 IU/L. which of the following drugs is the most likely culprit?				
	A Ethambutol	B INH	C Pyrazinamide		
	D Rifampicin	E Streptomycin			
87	A 45 year old male working in rock mining industry for the last 20 years, presented with the complaints of cough, dysnea and pain in the chest. An X-ray advised by doctor showed snow storm appearance in the lung fields. Which of the following occupational disease the person might have suffered from?				
	A Anthracosis	B Baggasosis	C Bysinosis		
	D Siderosis	E Silicosis			
88	25 years old P2 +1 has presented with recurrent episodes of heavy vaginal bleeding 2 months after Suction evacuation for Hydatidiform mole. Her Bhcg is 20,000. Ultrasound examination shows 4cm mass in posterior uterine wall with blood flow on Doppler. What is the diagnosis?				
	A Choriocarcinoma	B Retained products of conception	C Fibroid		
	D Invasive mole	E incomplete mole			
89	A 45-year-old male patient presented with acromegaly. The doctor decided to initiate bromocriptine treatment to manage this patient. Which of the following best describes its mechanism of action?				
	A Blocks D2 receptor sites in target tissues	B Blocks the release of growth hormone through D2 receptors in the hypothalamus	C Inhibits growth hormone through D2 receptors in the posterior pituitary gland		
	D Inhibits prolactin secretion and indirectly reduces GH levels	E Suppresses the activity of insulin-like growth factors (IGFs)			
90	A 27 years old woman and her husband came to the infertility clinic. The woman is having a regular menstrual cycle with no significant medical or surgical history. She doesn't take any medication other than prenatal vitamins. Her husband is also in good health. When you asked the patient for how long they have been trying to achieve a pregnancy for almost 6 months....your instructions to the couple would be?				
	A They will need IVF to achieve pregnancy	B They will need ovulation induction	C Continue trying for more 6 months and if no pregnancy is achieved, come back to see you		
	D Consider egg donor	E Consider adoption			
91	A 60 years old woman is diagnosed with endometrial adenocarcinoma after an endometrial biopsy. Staging from MRI shows stage III. Which of the following statements are true?				
	A Extension to adjacent organs	B Extension to uterine serosa, peritoneal cavity and lymph nodes.	C Pelvic or para-aortic lymph nodes involved		
	D Tumor limited to uterine body and cervix	E Tumor limited to uterine body			
2	A 45 years old multiparous obese woman complains of abnormal vaginal bleeding of 7 months duration. Pelvic examination demonstrates a small anteverted uterus and a normal appearing cervix. No adnexal masses are present. A serum pregnancy test is negative and pap smear is normal. Prolactin and thyrotrophic hormone levels are normal. Which of the following is the most efficient next step in management of this patient?				
	A Dilation and curettage	B Pipelle biopsy	C Endometrial cytology		
	D Transvaginal ultrasound	E Hysteroscopy			
	A 44-year-old woman recently diagnosed with Graves' disease started therapy with methimazole. Which of the following enzymes most likely mediates the drug's therapeutic effect in her disease?				
	A Thyroid aldolase	B Thyroid mono deiodinase	C Thyroid peroxidase		
	D Thyroid protease	E Topoisomerase			

94	A 25 year's old woman comes to medical OPD with symptoms of amenorrhoea and weight loss despite increased appetite. The history and physical findings reveal exophthalmos, fine resting tremors, tachycardia, and warm moist skin. What is the most probable diagnosis?	A Goltre	B Hashimoto's thyroiditis	C Hyperparathyroidism
		D Hypopituitarism	E Hyperthyroidism	
95	A 70 years old female patient with a history of Type 1 diabetes loses consciousness during the course of a dental treatment. What can be the most likely cause?	A Addisonian crisis	B Anaphylaxis	C Hyperglycemia
		D Hypoglycemia	E Cushing Syndrome	
96	A 25 year old lady presents in 3rd trimester of pregnancy with burning micturition and increased urinary frequency. Which one of the following is the commonest organism for UTI in pregnancy?	A E.Coli	B Klebsiella	C Proteus
		D Pseudomonas	E Salmonella	
97	A middle age 12 weeks pregnant women on her routine checkup found out during ultra sound that she is having a double sac with two fetuses. Initially in early days of her pregnancy there was only one fetus and sac. What is this condition called?	A Dizygotic twins	B Monochorionic dizygotic twins	C Monozygotic twins
		D Superfecundation	E Superfetation	
98	A 2 year baby presented with cough and difficult breathing for the last 3 days. His respiratory rate is 50 per minute. Based on IMNCI guidelines, in which of the following condition the baby can be classified?	A Asthma	B Cough or cold	C bronchiectasis
		D pneumonia	E Severe pneumonia	
99	A 28 year old pregnant lady in her third pregnancy at 28 weeks gestation has presented with pain abdomen. On examination she is vitally stable, symphysiofundal height is 30cm, Fetal heart sound are audible, she is not in labour or having shown or leaking per vagina. Her past record shows 10x 8 cm intramural fibroid. She has no other co-morbid. What can be the most likely cause of her pain?	A Preterm labour	B Hyperemesis Gravidarum	C Red Degeneration of fibroid
		D Placenta previa	E Peptic ulcer diseases	
100	A woman in her 30 th week of gestation with good health and no pregnancy related complications has deliberately planned to abort the fetus. Killing of a fetus with such a scenario and intention comes under which medicolegal term in Pakistan Penal code?	A Isqate Hamal	B Isqate Janin	C Qatal I amd
		D Qatal I bis sabab	E Qatal I shibhi amd	
101	A 36 years old man is brought to the emergency department because of lethargy, weakness, and confusion. Serum sodium and plasma osmolarity are markedly decreased while urine osmolarity is increased. What is most likely diagnosis?	A Conn syndrome	B Cushing syndrome	C Sheehan syndrome
		D SIAD syndrome	E Nephrotic syndrome.	
102	A 25 years old women G3P2 with 11+2 weeks period of gestation by recent scan came to OPD with complain of mild spotting and period like pain from last 2 days, she is vitally stable. Her last period was 4 months back. Per abdomen exam, soft non tender. Per vaginal exam os was closed with no bleed. Her ultrasound report shows of a single intrauterine fetus with absent cardiac activity. Other findings were unremarkable. What will be the possible diagnosis?	A Complete miscarriage	B Inevitable miscarriage	C Incomplete miscarriage
		D Missed miscarriage	E Threatened miscarriage	
103	A 3year baby presented with the history of loose stool for the last 3 days. The mother says that he is lethargic and unable to take feed properly. On examination he has sunken eyes and skin pinch goes back very slowly. According to IMNCI guidelines which classification best suits this child?	A Dysentery	B No dehydration	C Persistant diarrhoea
		D some dehydration	E severe dehydration	
104	A 15 years old school going student presented to emergency dept with chief complaints of vomiting, abdominal pain and increased urinary frequency for the last three days. On examination his blood pressure is 100/80mg Hg, pulse rate is 102 beats per minute and regular. His skin us dry and flushed. These investigations are available at the moment. Random blood sugar 350 mg/dl, blood PH 7.25, serum creatinine 1.1 mg /dl, serum ketones positive. What is the best First line treatment for this patient?	A IV bicarbonate	B IV 0.9 % Normal Saline	C IV antibiotics
		D S/C Heparin	E IV 0.45 % Dextrose Saline	

	A 70 years old male comes to surgery department with chief complaints of urinary urgency and trouble starting a urine stream. On digital examination of rectum prostate was found to be enlarged. Biopsy of the prostate showed benign prostate hyperplasia. Based on your knowledge, which area of the prostate is mostly often affected?					
	A	Capsule of prostate	B	Entire prostate	C	Peripheral prostate
	D	Periurethral prostate	E	transitional zone of prostate		
106	A 10 year old boy is brought to you for assesment. His parents are concerned about his height. His height is 105cm (<3rd centile) and weight is 23kg (<5th centile). Bone age is 5 years. TSH, LH, FSH, blood sugar, serum electrolytes and ABGs are normal. Celiac workup is negative. RFTs and LFTs are also normal. CNS examination is completely normal. How would you confirm the diagnosis?					
	A	IGF-1 level	B	Growth Hormaone level	C	Serum Cortisol level
	D	insulin stress test	E	CT scan Brain		
107	A 35 years old female comes to medical OPD with chief complaints of painful micturition, severe lower abdominal pain .She also gives history of fever with nausea and vomiting. Which of the following investigations will you perform first to confirm your diagnosis?					
	A	Abdomino-pelvic Ultrasound to visualize Kidney, Ureters, bladder	B	Blood CP	C	Blood Culture
	D	Infective markers	E	Urine culture		
108	A 42 years old female patient was diagnosed with chromophobe renal cell carcinoma. Which of the following best describes the condition?					
	A	Association with tuberous sclerosis	B	Good prognosis	C	High prevalence of 3p deletion
	D	Mean age at diagnosis of 25 years	E	Tendency for renal vein invasion		
109	A 62-year-old patient presented to his physician with complaints of backache, and difficulty while voiding. He had bilateral prostate nodules on digital rectal examination, and his prostate-specific antigen was raised. TRUS-guided biopsy confirms prostate adenocarcinoma. He was prescribed Abiraterone acetate. What is the mechanism of action of this drug?					
	A	Androgen receptor blocker	B	GNRH antagonist	C	Inhibiting CYP-17 enzyme
	D	Inhibiting RNA synthesis	E	LHRH agonist		
110	A 60 years old male patient was admitted in urology ward after he was diagnosed as having bladder tumor. Biopsy was sent to histopathologist which showed papillary structures lined by more than 10 layers of epithelial cells. Nuclear atypia was moderate, mitosis was rare and there were foci of necrosis. The neoplasm infiltrated the underlying muscularis mucosa. Which of the following is the most important parameter influencing the prognosis?					
	A	Cell layers	B	Infiltration of the muscularis mucosa	C	Mitosis
	D	Necrosis	E	Nuclear atypia		
111	A 22 years old woman visits her gynecologist 6 months after giving birth to a normal infant. She suffered severe cervical lacerations during delivery, resulting in hemorrhagic shock. Following blood transfusion and surgical repair, postpartum recovery has so far been uneventful. She now complains of continued amenorrhea and loss of weight and muscle strength. What is the Diagnosis?					
	A	Androgen excess	B	Diabetes Insipidus	C	Hyperprolactinemia
	D	Primary hypothyroidism	E	Sheehan syndrome		
112	A 55 year old woman presents with first episode of postmenopausal bleeding. What is the most appropriate first line of investigation?					
	A	Dilatation & curettage of endometrium	B	Hysteroscopy	C	Saline infusion sonography
	D	Pipelle Biopsy	E	Transvaginal scan		
113	A 30-year-old man presents to the Emergency Department with nausea, vomiting, severe flank pain, and hematuria. Which one of the following diagnostic images is APPROPRIATE in this patient?					
	A	A plain film of the abdomen (KUB)	B	An ultrasound of the kidneys	C	An intravenous urogram
	D	An unenhanced helical (spiral) CT of abdomen	E	An MRI		
4	A 6-year-old child presented with acute Sore throat and periorbital swelling for the last 5 days. Clinic examination showed pulse 90beats/min, BP 110/90mmHg, pedal edema and periorbital edem. Investigations are as follows: Hb 10g/dl, TLC 9000/mm3, Platelets 164,000/mm3. Serum creatini 0.8mg/dl, serum albumin 2g/dl, urine RE: Albumin +++, Sugar Nil, RBC 0-2/hpf, Pus cells 2-3/hpf. What is the most likely diagnosis?					
	A	Membranoproliferative glomerulonephritis	B	Membranous Glomernephritis	C	Minimal change diseas
	D	Post streptococcal Glomerulonephritis	E	IgA nephropathy		

115	A 45 years old house wife complains of right non-cyclical mastalgia, more pronounced towards the end of the day and on days when she has done heavy domestic chores. There is no history of fever, weight loss or lump at any stage. What investigation would you do before completely reassuring the patient regarding her breast?	A Screening Mammogram	B Ultrasound of the breast	C Chest X-ray	C
116	A 23 years old female, primary gravida with 8 weeks POG presents with a sharp right lower quadrant pain and vaginal spotting. Her vital signs are stable. On examination, she has mild abdominal tenderness on right side. Which investigation should be performed for diagnosing ectopic pregnancy?	D Random Biopsy from the Breast	E Genetic Testing		
117	A 51 year old woman visits your opd with complaints of hot flushes. Regarding hormonal changes associated with menopause, which of the following is true?	A Blood type and Rh factor	B Complete blood count CBC	C Serum beta hCG	
		D Serum progesterone	E Transvaginal ultrasound		
		A Serum FSH levels increases as ovarian function declines	B testosterone level falls to zero, one year after menopause	C Secretion of GnRH increases significantly in late menopause	
		D Progesterone levels are undetectable in perimenopause	E High levels of estrogens reduce frequency of hot flushes		
118	A 34-year-old woman G3 P2 presents to emergency with heavy vaginal bleeding. She is afebrile, bp is 90/50, pulse is 100. She gave a history of positive urine pregnancy test about 10 days back. Pelvic exam reveals active bleeding with open cervical os. Ultrasound report shows partial retention of fetal products. What will be the diagnosis?	A Complete miscarriage	B Incomplete miscarriage	C Missed miscarriage	
		D Inevitable miscarriage	E Septic miscarriage		
119	A 40-year-old female with central diabetes insipidus is prescribed desmopressin to manage her symptoms. What is the primary pharmacological mechanism of action of desmopressin?	A Decrease urine osmolality	B Inhibiting aldosterone secretion	C Increasing glucagon production	
		D Stimulating water reabsorption in the renal tubules via v1 receptors	E Stimulating water reabsorption in the renal tubules via v2 receptors		
120	A 55-year-old woman suffering from type 2 diabetes had started treatment with metformin, but the drug was poorly tolerated, and her physician decided to shift to repaglinide. Which of the following actions most likely mediated the therapeutic effect of repaglinide in the patient's disease?	A Blockade of β_2 receptors in the liver	B Blockade of glucagon receptors	C Blockade of somatostatin receptors in the pancreas	
		D Decreased glucose absorption from the gastrointestinal tract	E Stimulation of insulin release		