



JAMMU AND KASHMIR PUBLIC SERVICE COMMISSION

RESHAM GHAR COLONY, BAKSHI NAGAR, JAMMU - 180001

Website: <http://jkpsc.nic.in>

email: coejkpsc2017@gmail.com

Jammu: 0191-2566533

Subject: Written Test for the post of Medical Officer (Allopathic) in the Health and Medical Education Department - Provisional Answer Key thereof.

Notification No. PSC/Exam/S/2024/02

Dated: 17.03.2024

In pursuance of Rule 10(c) of the Jammu & Kashmir Public Service Commission (Conduct of Examination) Rules, 2022, as amended upto date, the Provisional Answer Key of Question Paper pertaining to the Written Test for the post of **Medical Officer (Allopathic/Backlog) in the Health and Medical Education Department held on 17.03.2024**, is hereby notified for seeking the objections from candidates.

Provisional Answer Key

Test Booklet Question No. (Series A)	
Q1	A
Q2	B
Q3	B
Q4	B
Q5	D
Q6	C
Q7	A
Q8	D
Q9	B
Q10	B
Q11	B
Q12	C
Q13	D
Q14	D

Test Booklet Question No. (Series A)	
Q15	A
Q16	B
Q17	C
Q18	C
Q19	C
Q20	A
Q21	A
Q22	A
Q23	D
Q24	B
Q25	C
Q26	D
Q27	A
Q28	A

Test Booklet Question No. (Series A)	
Q29	D
Q30	D
Q31	A
Q32	C
Q33	D
Q34	B
Q35	A
Q36	C
Q37	A
Q38	D
Q39	D
Q40	B
Q41	A
Q42	B

Test Booklet Question No. (Series A)	
Q43	B
Q44	C
Q45	B
Q46	D
Q47	D
Q48	C
Q49	B
Q50	D
Q51	C
Q52	C
Q53	B
Q54	A
Q55	B
Q56	A
Q57	B
Q58	A
Q59	C
Q60	C
Q61	B
Q62	D
Q63	B
Q64	B
Q65	A

Test Booklet Question No. (Series A)	
Q66	B
Q67	A
Q68	D
Q69	D
Q70	C
Q71	B
Q72	C
Q73	D
Q74	C
Q75	C
Q76	A
Q77	C
Q78	B
Q79	B
Q80	B
Q81	C
Q82	A
Q83	D
Q84	A
Q85	B
Q86	A
Q87	D
Q88	B

Test Booklet Question No. (Series A)	
Q89	A
Q90	C
Q91	C
Q92	D
Q93	B
Q94	A
Q95	C
Q96	D
Q97	C
Q98	B
Q99	B
Q100	C

The candidates are advised to refer to **Question Booklet (Series A)** to match the corresponding question(s) in their respective Question Booklet Series and if any candidate feels that the key to any of the question(s) is/are wrong, he/she may represent on prescribed format/proforma annexed as **Annexure-A** along with the documentary proof/evidence (**hard copies only**) and fee of Rs.500/- per question in the form of Demand Draft drawn in favour of **COE, J&K PSC** (refundable in case of genuine/correct representation) to the Controller of Examinations, Jammu & Kashmir Public Service Commission, from 18.03.2024 to 20.03.2024. **The candidates are further advised to clearly mention the question(s) objected to with reference to its serial number as it appears in the Question Booklet of Series A of the provisional answer key.**

Further, any objection/application not accompanied by the requisite Demand Draft of Rs.500/- as prescribed, shall not be considered/entertained under any circumstances. Candidates are, in their own interest, advised to adhere to these instructions and not submit any objection unaccompanied by the Demand Draft as required under extant rules.

The Commission shall not entertain any such representation(s) after the expiry of the stipulated period i.e. **after 20.03.2024 (Wednesday), 05.00 pm.**

The provisional answer key is available on the website of the Commission <http://www.jkpsc.nic.in>.

17.03.2024
(G.L Sharma), JKAS
Additional Secretary
J&K Public Service Commission

No. PSC/Ex-Secy/2024/07

Dated: 17.03.2024

Copy to the: -

1. Director, Information and Public Relations, J&K for publication of the notice in all leading newspapers published from Jammu/Srinagar.
2. P.S. to Hon'ble Chairman, J&K Public Service Commission for information of the Hon'ble Chairman.
3. P.S. to Hon'ble Member, Shri _____ for information of the Hon'ble Member.
4. P. A. to Secretary, J&K Public Service Commission for information of the Secretary.
5. P.A. to Controller of Examinations, J&K Public Service Commission.
6. Main file/Stock file/Notice Board.

Annexure-A

Representation regarding objection(s) to any Question/Answer pertaining to the Written Test conducted for the post of Medical Officer (Allopathic/Backlog) in the Health and Medical Education Department, held on 17.03.2024

(NOTE: USE SEPARATE FORMS FOR SEPARATE QUESTIONS)

Name of the Applicant : _____

Roll No. : _____

Correspondence Address : _____

Contact/Mobile No. : _____

Date of Application: _____ .03.2024


Demand Draft No. date : _____

Candidates Account No.(16 digit) & IFSC Code : _____

Question No. in Series A	Details of the Objection	Resource Material (copy to be enclosed)	Details of the Website (if any)
<u>Correct Answer/Option as per candidate:</u>			

Signature of the Candidate

Note : Application for each question/answer shall be made on separate page in the given format, otherwise the first question entered in the format shall only be considered.



DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

Booklet Serial No.

220553

Test Booklet Series

A

**TEST BOOKLET
MEDICAL OFFICER
Written Test - 2023
(59)**

Time Allowed: Two Hours

Maximum Marks: 100

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer /Response Sheet. Any omission/discrepancy will render the Response Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.
DO NOT write anything else on the Test Booklet.
4. This Test booklet contains **100** items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer /Response Sheet provided. See directions in the Response Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer /Response Sheet, the response to various items in the Test Booklet, you have to fill in some particulars in the Answer /Response Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer /Response Sheet**. You are permitted to take away with you the Test Booklet and **Candidate's Copy of the Response Sheet**.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. While writing Centre, Subject and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use "**ONLY BALL POINT PEN**".
11. **Penalty for wrong answers:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTIONS PAPERS).
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **(0.25)** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above for that question.
 - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

(59) (A)/2023

[P.T.O.]

1. The purpose of this report is to provide information on the following items:

As of 1/31/00

As of 1/31/01

As of 1/31/02

As of 1/31/03

As of 1/31/04

As of 1/31/05

As of 1/31/06

As of 1/31/07

As of 1/31/08

As of 1/31/09

As of 1/31/10

As of 1/31/11

As of 1/31/12

As of 1/31/13

As of 1/31/14

As of 1/31/15

As of 1/31/16

As of 1/31/17

As of 1/31/18

As of 1/31/19

As of 1/31/20

1. Duchene-Erb Palsy is related to injury of the following nerve root:
 - A) C5,6
 - B) C7,8 T1
 - C) C8 T1
 - D) C2,3

2. Indications for exchange transfusion at birth in infants with Rh isoimmunization include:
 - A) Cord Haemoglobin < 5mg/dL, Cord Bilirubin, < 1 mg/dL
 - B) Cord Haemoglobin 10mg/dL or less, Cord Bilirubin 5mg/dL or more
 - C) Cord Haemoglobin < 5mg/dL, Cord Bilirubin 2mg/dL or less
 - D) Cord Haemoglobin < 8mg/dL Cord Bilirubin 2mg/dL

3. The following statements are true about necrotizing enterocolitis EXCEPT:
 - A) Modified Bells staging is used for ascertaining various stages
 - B) Often occurs in infants born after 32 weeks of gestation
 - C) Mimics Neonatal sepsis
 - D) Oral feeding should be withheld

4. The following Downe score is suggestive of impending respiratory failure in a neonate:
 - A) < 3
 - B) > 6
 - C) 5
 - D) 0

5. Following are the components of Kangaroo mother care EXCEPT:
- A) Kangaroo Position-Skin to Skin Contact for prolonged periods
 - B) Kangaroo Feeding-Breastfeeding
 - C) Kangaroo Discharge- early discharge as soon as the infant is stable
 - D) Kangaroo Protection- All infants above 2499 gm in weight are eligible
6. The following is true regarding APGAR Score EXCEPT:
- A) It is an objective method of evaluating the newborn's condition
 - B) The serial indicates how well the neonate responds to resuscitative efforts
 - C) It is used to guide the resuscitation of newborn
 - D) It is performed at 1 minute and 5 minutes after birth
7. The correct match of Column I and Column II in the given table is:

Column - I (Vitamin)

Column - II (Deficiency Disease)

- | | |
|--------------------|----------------------------|
| 1. Thiamine | a. Pellagra |
| 2. Niacin | b. Peripheral Neuropathy |
| 3. Folate | c. Wernicke Encephalopathy |
| 4. Pyridoxine | d. Megaloblastic Anemia |
| A) 1 c 2 a 3 d 4 b | |
| B) 1 c 2 b 3 d 4 a | |
| C) 1 a 2 b 3 d 4 c | |
| D) 1 b 2 a 3 d 4 c | |

8. A daily dose of 2000 IU of vitamin D3 for treatment of nutritional rickets in children aged up to 12 months is initially given for:
- A) 4 weeks
 - B) 6 weeks
 - C) 10 weeks
 - D) 12 weeks

9. Following are the primary signs in WHO classification of Xerophthalmia EXCEPT:
- A) X2 Corneal Xerosis
 - B) XN Night Blindness
 - C) X3A Corneal Ulceration (<1/3 of Cornea)
 - D) X1A Conjunctival xerosis
10. Following signs are related to children with Marasmus EXCEPT:
- A) Severe Wasting
 - B) Oedema
 - C) Alertness
 - D) Monkey facies
11. Fetal thyroid hormone production begins in.....
- A) 16th Week
 - B) 12th Week
 - C) 10th Week
 - D) 8th Week
12. Short stature is defined as.....for age and gender according to population standard.
- A) Height below 4th centile or more than three standard deviation scores below the median height
 - B) Height below 2nd centile or more than four standard deviation scores below the median height
 - C) Height below 3rd centile or more than two standard deviation scores below the median height
 - D) Height below 5th centile or more than three standard deviation scores below the median height

13. Following is true about attention deficit hyperactivity disorder (ADHD) EXCEPT:
- A) Hyperactivity
 - B) Impulsivity
 - C) Inattention
 - D) Onset before 3 years of age
14. Specific learning disability is characterized by:
- A) Dyslexia
 - B) Dysgraphia
 - C) Dyscalculia
 - D) All of the above
15. Cervarix vaccine is related to
- A) Only HPV-2
 - B) Only HPV-4
 - C) Only HPV-9
 - D) Both HPV-4 and HPV-9
16. A child acquiring antibodies from the mother's milk is an example of:
- A) Active immunity
 - B) Passive immunity
 - C) Herd immunity
 - D) Immunization
17. Refrigerators, air-conditioning systems and perfumes can increase the level of which of the following air pollutant?
- A) Oxides of nitrogen
 - B) Carbon monoxide
 - C) Chloroflourocarbons
 - D) Oxides of sulphur

18. For prevention and control of mosquito-borne diseases, which of the following is a larva control measure:
- A) Indoor residual spraying.
 - B) Insecticide treated bed-nets.
 - C) Gambusia fish
 - D) Repellant creams
19. As per MTP amendment Act 2021, the termination of pregnancy can be done on the opinion of two doctors for pregnancy of:
- A) <12 weeks
 - B) 12-20 weeks
 - C) 20-24 weeks
 - D) >24 weeks

20. The correct match of Column I and Column II in the given table is:

Column I (Poison)	Column II (Antidote)
1. Opium	a. Ethyl alcohol
2. Methanol	b. Sodium thiosulfate
3. Atropine	c. Nalorphine
4. Cyanide	d. Physostigmine

A) 1 c 2 a 3 d 4 b
B) 1 c 2 b 3 d 4 a
C) 1 a 2 b 3 d 4 c
D) 1 b 2 a 3 d 4 c

21. The correct match of Column I and Column II in the given table is:

Column - I (Post Mortem Findings)	Column - II (Cause of Death)
1. Postmortem Caloricity	a. Drowning
2. Cadaveric Spasm	b. Thermal burns
3. Dribbling of Saliva	c. Heat Stroke
4. Soot Particles in Trachea	d. Hanging

A) 1 c 2 a 3 d 4 b
B) 1 c 2 b 3 d 4 a
C) 1 a 2 b 3 d 4 c
D) 1 b 2 a 3 d 4 c

22. The correct match of Column I and Column II in the given table is:

Column I (Age of Child)

Column II (Name of Vaccine)-NIS

- | | |
|--------------|-------------------------------------------------|
| 1. 6 weeks | a. bOPV-2, Pentavalent-2, Rota-2 |
| 2. 10 weeks | b. DTwP-B2 |
| 3. 9 Months | c. bOPV-1, Pentavalent-1, Rota-1, fIPV-1, PCV-1 |
| 4. 5-6 Years | d. MR-1, JE-1, PCV-3, fIPV-3 |

National Immunization Schedule=NIS

- A) 1 c 2 a 3 d 4 b
- B) 1 c 2 b 3 d 4 a
- C) 1 a 2 b 3 d 4 c
- D) 1 b 2 a 3 d 4 c

23. ECG Changes related to hyperkalemia includes all EXCEPT:

- A) Tall, Peaked T Wave
- B) Prolonged PR-Interval
- C) Flat P Waves
- D) Prominent U Waves

24. Chvostek sign and Trousseau sign are seen in condition of:

- A) Hypercalcemia
- B) Hypocalcemia
- C) Hyperkalemia
- D) Hyponatremia

25. Following is true about Divergent strabismus EXCEPT:

- A) Also termed as Exotropia
- B) Common in myopes
- C) Arise early in life
- D) Spontaneous Cure rare

26. Band shaped keratopathy is common in
- A) Chronic Uveitis
 - B) Aphakic Eyes
 - C) Children with Still Disease
 - D) All of the above
27. Marginal (catarrhal ulcer) of cornea is caused by immunological reaction to toxins produced by:
- A) Staphylococcal organisms
 - B) Clostridia
 - C) Mycoplasma
 - D) Virus
28. Following is related to venereal disease:
- A) Chlamydial Conjunctivitis
 - B) Follicular Conjunctivitis
 - C) Epidemic Keratoconjunctivitis
 - D) Newcastle Conjunctivitis
29. Following are the causes of sudden and painless causes of unilateral diminution of vision EXCEPT:
- A) Retinal Detachment
 - B) Vitreous Haemorrhage
 - C) Retinal Haemorrhage
 - D) Diabetic Retinopathy

30. The definitive diagnostic tool of Primary angle closure glaucoma is:
- A) Slit Lamp
 - B) Indirect Ophthalmoscopy
 - C) Retinoscopy
 - D) Gonioscopy
31. The following is true about Retinopathy of Prematurity EXCEPT:
- A) One eye is affected
 - B) Seen some weeks after birth in premature infants
 - C) Seen in those infants given high concentrations of oxygen
 - D) Seen in those infants with a birth weight of <1.5 Kg
32. The following is true about age-related macular degeneration EXCEPT:
- A) Exudative form leads to more serious vision loss
 - B) Atrophic form is more common
 - C) More Common in Male
 - D) Common in people with >65 years of age
33. A 16-year-old unmarried girl has come to the emergency department of the hospital with the complaint of pain abdomen. The urine pregnancy test is positive. Ultrasound examination reveals single live fetus of 12 weeks. The registered medical practitioner shall do the following EXCEPT:
- A) Label the case as medicolegal case
 - B) Inform the police
 - C) Shall conduct medicolegal examination only with consent of girl herself
 - D) Shall wait for police to come and be present during examination

34. Following are deliriant poisons EXCEPT:
- A) Datura
 - B) Cyanide
 - C) Cannabis
 - D) Cocaine
35. Apple core sign in barium Gastrointestinal tract studies is seen in :
- A) Colon Cancer
 - B) Pancreatic Carcinoma
 - C) Tuberculosis
 - D) Intestinal Obstruction
36. Following are the components of Too-Late Triad of the Renal Cell Carcinoma EXCEPT:
- A) Flank Mass
 - B) Hematuria
 - C) Pyrexia
 - D) Flank Pain
37. Schatzki ring is associated with:
- A) Oesophagus
 - B) Duoednum
 - C) Appendix
 - D) Jejunum
38. Blood stained discharge from nipple is associated with following condition in breast:
- A) Fibroadenoma
 - B) Abscess
 - C) Duct Ectasia
 - D) Ductal Papilloma

39. Angioid streak is seen in :
- A) Pseudoxanthoma elasticum
 - B) Marfan Syndrome
 - C) Pagets Disease of Bone
 - D) All of the above
40. Hallucination is:
- A) False Belief
 - B) False Perception
 - C) Misinterpretation
 - D) Both False belief and misinterpretation
41. In Othello syndrome the content of delusions is predominantly infidelity/Jealousy involving
- A) Spouse
 - B) Siblings
 - C) Children
 - D) Parents
42. A phantom limb is the sensation that comes from
- A) Injured Limb
 - B) Amputated Limb
 - C) Intact Limb
 - D) Prosthetic Limb

43. A 22-year-old female presented to dermatologist with oral erosion and flaccid bullae in skin. On biopsy pathological examination revealed intraepidermal acantholytic blister. The diagnosis in this case is:
- A) Lichen Planus
 - B) Pemphigus Vulgaris
 - C) Herpes simplex
 - D) Erythema simplex
44. In all of the following conditions, a CT scan brain should be performed before lumbar puncture, EXCEPT
- A) Immunocompromised patients
 - B) New onset of seizures
 - C) Febrile patients
 - D) Papilledema
45. Which of the following anti-tubercular drug has bacteriostatic action?
- A) Isoniazid
 - B) Ethambutol
 - C) Rifampicin
 - D) Pyrazinamide
46. Which of the following is not a cause of anaemia in Chronic Kidney disease?
- A) Bleeding diathesis
 - B) Diminished red blood cell survival
 - C) Hyperparathyroidism
 - D) Vitamin B6 deficiency

47. Which of the following is TRUE regarding Pneumococcal vaccine for adults?
- A) All adults above the age of 19 years should receive pneumococcal vaccine
 - B) 23-valent PPSV alone is indicated for all adults
 - C) The PCV13 and PPSV23 doses can be given at a minimum interval of 4 weeks duration
 - D) In healthy individuals ≥ 65 years of age, PCV13 should be administered followed by PPSV23
48. Consider the following statements regarding a patient with critically stenotic mitral valve and atrial fibrillation and a transient ischemic attack
- a) Warfarin is indicated for stroke prevention
 - b) Aspirin alone is indicated for stroke prevention
 - c) Dabigatran is not indicated for stroke prevention
 - d) Mitral valve replacement is indicated for stroke prevention
- A) a and b are true
 - B) a, b and d are true
 - C) a and c are true
 - D) a and d are true
49. A patient cannot be labeled resistant hypertension unless he/she has been put on at least 3 medications at maximally tolerated doses including;
- A) Alpha blocker
 - B) Diuretic
 - C) Apha methyl dopa
 - D) Reserpine
50. Which of the following is NOT a differential of splenomegaly?
- A) CML
 - B) Lymphomas
 - C) Hairy cell leukemia
 - D) Aplastic anemia

51. Which one of the following oral hypoglycemic agent does NOT act by stimulating insulin secretion?
- A) Gliclazide
 - B) Glipizide
 - C) Canagliflozin
 - D) Nateglinide
52. Which of the following statements is INCORRECT regarding the levels of triage?
- A) Red indicates immediate attention by physician
 - B) Orange indicates emergent, requiring evaluation within 15 minutes
 - C) Yellow indicates may be re-evaluated after 2 hours
 - D) Green indicates non-urgent, may be re-evaluated after >3 hours hours
53. Which of the following is associated with normal lactate levels in a patient with metabolic acidosis?
- A) Methanol poisoning
 - B) Cyanide poisoning
 - C) Salicylates toxicity
 - D) Renal failure
54. A 55 year old male presents with history of abdominal pain, persistent vomiting and altered mental status. On further enquiry it was found that he had undergone chemotherapy for a malignant disorder recently. All of the following electrolyte abnormalities will be found in this patient, EXCEPT:
- A) Hypercalcemia
 - B) Hyperkalemia
 - C) Hyperphosphatemia
 - D) Hyperuricemia

55. The loose foreign body at the following anatomical level causes an “audible slap” and “Palpatory thud”.

- A) Larynx
- B) Trachea
- C) Bronchi
- D) Lungs

56. Unilateral injury to recurrent laryngeal nerve results in ipsilateral paralysis of all the intrinsic muscles EXCEPT:

- A) Cricothyroid
- B) Crico-arytenoid
- C) Transverse arytenoid
- D) Thyro-arytenoid

57. Following are bacterial granulomatous diseases of nose EXCEPT:

- A) Tuberculosis
- B) Wegner's Granulomatosis
- C) Leprosy
- D) Syphilis

58. Following is the gold standard for diagnosis of acoustic neuroma:

- A) MRI with gadolinium contrast
- B) CT Scan
- C) Plain X Ray
- D) Vertebral angiography

59. Following is true regarding Bell Palsy EXCEPT:

- A) It is commonly idiopathic
- B) Diabetics and pregnancy carry more risk of bell palsy
- C) Females are more affected than male
- D) Incidence rise with increasing age

60. ParacusisWillisii is seen in:

- A) Acoustic neuroma
- B) Traumatic injury to inner ear
- C) Otosclerosis
- D) Recurrent laryngeal nerve palsy

61. Twenty-four hours after colon resection, urine output in a 70-year-old man is 10 mL/h. Blood chemistry analysis reveals sodium, 138 mEq/L; potassium, 6mEq/L; chloride, 100 mEq/L; bicarbonate, 14 mEq/L.His metabolic abnormality is characterized by which of the following?

- A) Abdominal distension
- B) Peaked T waves
- C) Narrow QRS complex
- D) Cardiac arrest in systole

62. A 42-year-old man with small-bowel fistula has been receiving TPN with standard hypertonic glucose-amino acid solution for 3 weeks. The patient is noticed to have scaly, hyperpigmented lesions over the acral surfaces of elbows and knees, similar to enterohepatic acrodermatitis. What is the most likely cause of the condition?

- A) Copper deficiency
- B) Essential fatty acid deficiency
- C) Excess glucose calories
- D) Zinc deficiency

63. Which statement most accurately describes the anatomy of the sublingual glands?
- A) They drain through the sublingual duct which opens into the floor of mouth.
 - B) They drain either directly on to the floor of mouth or into the submandibular duct.
 - C) They consist of two lobes separated by the mylohyoid muscle.
 - D) They are embedded in the intrinsic muscles of the ventral surface of the tongue.

64. Chronic lymphedema predisposes to all EXCEPT:

- A) Lymphangiosarcoma
- B) Marjolin's ulcer
- C) Recurrent infections
- D) Thickening of skin

65. Which of the following is a non absorbable suture?

- A) Polypropylene
- B) Vicryl
- C) Catgut
- D) Polydioxanone

66. Intestinal anastomosis strength is provided by:

- A) Mucosa
- B) Sub mucosa
- C) Serosa
- D) Muscularis mucosa

67. A 35-year-old woman under-goes her first screening mammo-gram. Which of the following mammographic findings would require a breast biopsy?
- A) Breast calcifications larger than 2 mm in diameter
 - B) Five or more clustered breast microcalcifications per square centimeter
 - C) A density that effaces with compression
 - D) Saucer-shaped microcalcifications
68. A 70-year-old male complains of progressive weight loss and hoarseness. Ear, nose, and throat (ENT) evaluation reveals right vocal cord paralysis and several right neck masses, which fine needle aspiration reveals to be squamous cell carcinoma. The patient undergoes right hemilaryngectomy and right radical neck dissection. Postoperatively, right hemidiaphragm paralysis is noted. This is due to injury of which of the following:
- A) Vagus nerve
 - B) Brachial plexus
 - C) Cervical plexus
 - D) Phrenic nerve
69. A 62-year-old male presents with an irreducible swelling and severe pain in the left groin. He had a known reducible hernia for 15 years prior to this. He had a bowel movement while in the emergency room. At surgery, a Richter's hernia was found. Which of the following statements is TRUE?
- A) It presents lateral to the rectus sheath.
 - B) It presents through the lumbar triangle.
 - C) It presents through the obturator foramen.
 - D) It may allow normal passage of stool.
70. At surgery for a right inguinal hernia, a 72-year-old man is found to have a hernia sac that is not independent of the bowel wall. The cecum forms part of the wall of the sac. Such a hernia is properly referred to as which of the following?
- A) Incarcerated
 - B) Irreducible
 - C) Sliding
 - D) Richter's

71. A 13-year-old male is involved in a motor vehicle accident. He has a GCS of 6 and is intubated at the scene. He has a splenic laceration requiring an emergent exploratory laparotomy and a left hemothorax requiring a chest tube. His femur fracture is shown in the figure. What is the next best step in the management of this fracture?



- A) Balanced skeletal traction
 - B) External fixation
 - C) Intramedullary nail
 - D) Plate fixation
72. What is false about the ACL of the knee joint?
- i. It prevents anterior translation of the femur
 - ii. More commonly associated with medial meniscus tears in acute cases
 - iii. In ACL injuries deceleration actions are difficult to perform
 - iv. Lachman test is the most specific test for ACL ligament
 - v. Worldwide more common in male athletes

- A) i, iii, iv
- B) iii, iv, v
- C) i, ii, iv, v
- D) i, ii, iv

73. Which of the following conditions is associated with a mutation in fibroblast growth factor receptor-3 (FGFR3)?

- A) Paget's disease
- B) Osteopetrosis
- C) Fibrous dysplasia
- D) Achondroplasia

74. The posterior wall of the acetabulum is best visualized on which of the following radiographic views?

- A) Inlet pelvis
- B) Outlet pelvis
- C) Obturator oblique
- D) Iliac oblique

75. All of the following are true statements regarding compartment syndrome in the pediatric patient EXCEPT:

- A) Increasing analgesic requirement is an important indicator for the diagnosis of compartment syndrome in children
- B) Duration of compartment syndrome prior to the treatment is the most important variable in determining the outcome
- C) Mechanism of injury is the best predictor of compartment syndrome development
- D) Neutral to 30 degrees of ankle plantar flexion position results in the safest compartment pressures in a casted lower leg

76. Reverse Bennette fracture describes

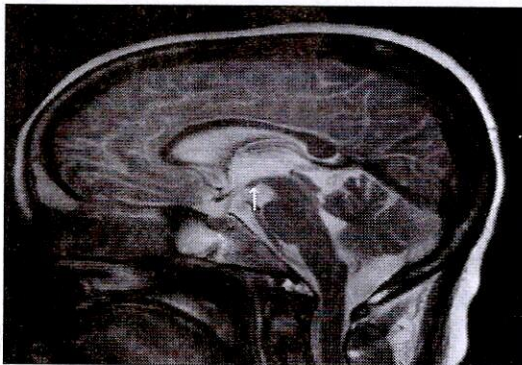
- A) Base of 5th MC
- B) Head of 1st MC
- C) Base of 1st MC
- D) Head of 5th MC

77. A 6-year-old boy falls while playing and presents to the emergency room with an abrasion on his knee and mild knee pain. He can bear weight without any discomfort and has a full range of knee motion. The plain radiograph is shown in the figure. What is the most appropriate next step in management?



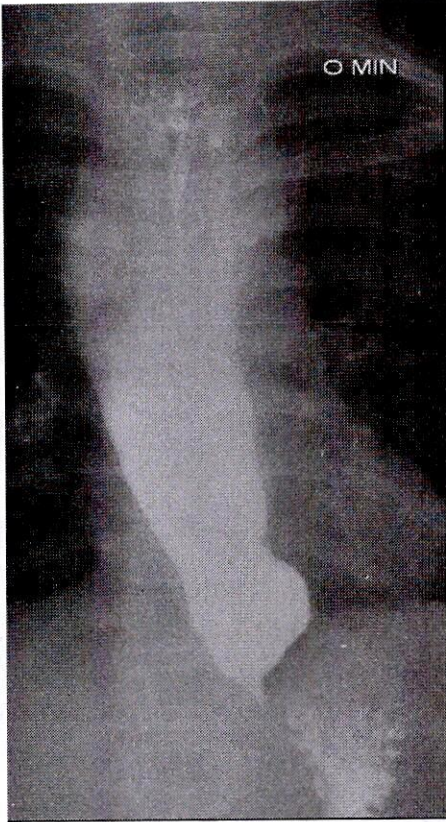
- A) CBC, ESR, CRP with bone aspiration for gram stain and culture
- B) Biopsy with neoadjuvant chemotherapy followed by limb salvage surgical resection and adjuvant chemotherapy
- C) Repeat radiographs in 3 months
- D) MRI and CT scan of the chest

78. Identify the structure marked with white arrow, in mid sagittal section of brain



- A) Hypothalamus
- B) Mamillary body
- C) Infundibulum
- D) Tectal plate

79. 17-year-old female presented with history of dysphagia to liquids since last 2 years. Her barium swallow was performed. What is the imaging diagnosis?



- A) Benign stricture
B) Achalasia cardia
C) Barrett's esophagus
D) Zenker's esophagus
80. A 32-year-old female, P3L3 visits gynaecology OPD for contraception. On examination you notice foul smelling vaginal discharge. Which of the following contraceptive methods is relatively contraindicated in this case?
- A) Oral contraceptive pill
B) Intrauterine device
C) Depot medroxyprogesterone acetate
D) Barrier contraceptive

81. The most common site of injury to the ureters during abdominal hysterectomy is:
- A) At entry into urinary bladder
 - B) At pelvic brim
 - C) At crossing by uterine artery
 - D) Near obturator vessels
82. Which of the following is the most common site for tubal ectopic pregnancy?
- A) Ampulla
 - B) Isthmus
 - C) Interstitial
 - D) Fimbria
83. A 22-year-old primigravida presents to labour room with headache and blurring of vision at 32 weeks period of gestation. On examination, her blood pressure is 170/110 mmHg. Which of the following drugs is not used in this case for control of blood pressure?
- A) Intravenous Labetalol
 - B) Intravenous Hydralazine
 - C) Oral Nifedipine
 - D) Oral Amlodipine
84. A 28-year-old O negative primigravida has delivered a healthy baby of 2.5 kg. The baby blood group is O positive and DCT negative. What is the next course of action?
- A) Injection Anti-D 300 mcg i.m. to the mother
 - B) Anti-D prophylaxis not required
 - C) Repeat DCT till it becomes positive
 - D) Injection anti D 150 mcg i.m. to the mother

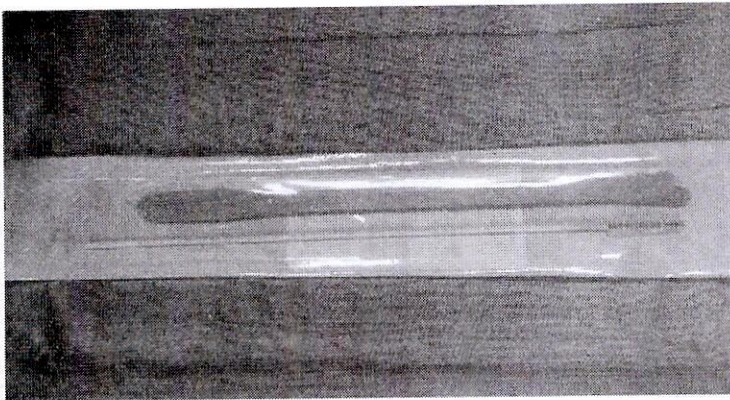
85. 32-year-old lady underwent suction dilation and curettage for a complete hydatidiform molar pregnancy. Which of the following is correct regarding β hCG monitoring during follow-up?
- A) Consider β hCG assay every month for 6 months after 3 consecutive normal assays
 - B) Consider β hCG assay every 3 months for 6 months after 3 consecutive normal assays
 - C) Consider β hCG assay every 3 months for 12 months after 3 consecutive normal assays
 - D) Consider β hCG assay every month for 12 months after 3 consecutive normal assays
86. Mrs X, 24-year-old primigravida presented to OPD at 12 weeks period of gestation with multiple episodes of vomiting. Her spot urine ketone is 4+. She is admitted to the labour room for further management. Which of the following fluids should not be used in resuscitation?
- A) Hydroxyethyl starch (HES)
 - B) Ringer lactate
 - C) 0.9% NS
 - D) 5% DNS
87. Which of the following is not a method for the delivery of after coming head in a breech presentation?
- A) Mauriceau Smellie Veit maneuver
 - B) Burns Marshall maneuver
 - C) Piper forceps
 - D) McRoberts maneuver
88. Which of the following uterotonic agent is recommended in the active management of third stage of labour?
- A) Oxytocin 20 units intramuscularly
 - B) Oxytoxin 10 units intramuscularly
 - C) Misoprostol 800 mcg per rectal
 - D) Methylergotamine 0.2 mg intramuscularly

89. Which of the following is correct regarding WHO Global Strategy to accelerate the elimination of cervical cancer?
- A) 90% human papillomavirus (HPV) vaccination coverage of eligible girls, 70% screening coverage with a high-performance test and 90% of women with a positive screening test or a cervical lesion managed appropriately
 - B) 90% HPV vaccination coverage of eligible girls, 90% screening coverage with a high-performance test and 70% of women with a positive screening test or a cervical lesion managed appropriately
 - C) 70% HPV vaccination coverage of eligible girls, 90% screening coverage with a high-performance test and 90% of women with a positive screening test or a cervical lesion managed appropriately
 - D) 90% HPV vaccination coverage of eligible girls, 90% screening coverage with a high-performance test and 90% of women with a positive screening test or a cervical lesion managed appropriately
90. Mrs P, a 32-year-old G2P1+0+0+1 was diagnosed with Gestational diabetes mellitus in her current pregnancy at 32 weeks and her blood sugar level was controlled on medical nutritional therapy. After 3 weeks she was started on insulin therapy for blood sugar control? Which of the following is not a complication of gestational diabetes mellitus?
- A) Still birth
 - B) Fetal macrosomia
 - C) Intrauterine growth restriction
 - D) Pre-eclampsia
91. A 32-year-old primigravida presents in antenatal clinic at 31 weeks of gestation with complaints of itching all over the body which is more in palms and soles. She also reports worsening of itching at night which disturbs her sleep. Which is the likely diagnosis?
- A) Atopic eruption of pregnancy
 - B) Pemphigoid gestationis
 - C) Intrahepatic cholestasis of pregnancy
 - D) Polymorphic eruption of pregnancy

92. A 16-year-old girl attends gynaecology OPD along with her mother and requests vaccination against HPV infection. Which of the following is correct advice for her?

- A) Injection Gardasil 0.5 mL intramuscular single dose
- B) Injection Gardasil 0.5 mL intramuscular two doses (0 and 6 months)
- C) Injection Gardasil 0.5 mL intramuscular three doses (0, 1 and 6 months)
- D) Injection Gardasil 0.5 mL intramuscular three doses (0, 2 and 6 months)

93. During which of the following procedures is the below instrument used?

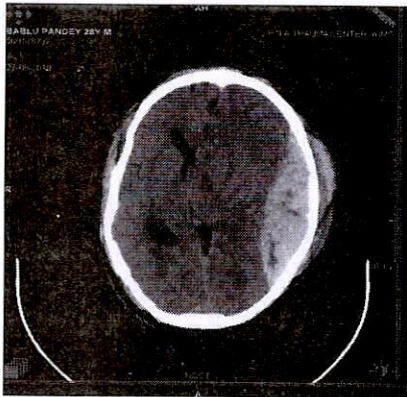


- A) Liquid Based Cytology
- B) Pap smear
- C) Endocervical curettage
- D) STI testing

94. The Quadruple screen includes which of the following biomarkers for aneuploidy screening in antenatal period?

- A) Beta HCG, Inhibin A, alpha-fetoprotein, estriol
- B) Beta HCG, PAPP-A, Inhibin A, estriol
- C) Beta HCG, PAPP-A, alpha-fetoprotein, estriol
- D) Beta HCG, Inhibin A, estriol, placental growth factor LGF

95. Which of the following statements is incorrect regarding amniocentesis?
- A) The procedure involves removal of around 20 mL of amniotic fluid using a 22 G spinal needle
 - B) Fetal DNA is extracted from desquamated fetal cells in amniotic fluid and cultured
 - C) Amniocentesis is performed before 15 weeks of gestation.
 - D) The risk of miscarriage around 0.5 to 1%
96. The commonest method of contraception in India is:
- A) Oral contraceptive pills
 - B) Intra-uterine device
 - C) Male sterilization
 - D) Female sterilization
97. All of the following are true about following image except



- A) Presents extradural hematoma
- B) Does not cross the sutures
- C) Does not cross Midline
- D) Usually its arterial in origin

98. Which of the following is an example of non-stochastic effects of radiation?

- A) Fibrosis
- B) Leukaemia
- C) Cataracts
- D) Decreased sperm production

99. X-rays are electromagnetic waves with energies in the range of :

- A) 20 MeV to 100MeV
- B) 100 ev to 100 Kev
- C) 50 Kev to 200 Kev
- D) 200kev to 500Kev

100. Hyperkeratosis of palm and sole is seen in chronic exposure to:

- A) Zinc
 - B) Copper
 - C) Arsenic
 - D) Mercury
-

ROUGH WORK



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(59) (A)

(32)