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RAN-2207000104010002

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Fourth Year B.H.M.S Examination August - 2025

Practice of Medicine (Paper - II)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Fourth Year B.H.M.S

Name of the Subject :

Practice of Medicine (Paper - II)

Subject Code No.: 2207000104010002

Seat No.:

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Student's Signature

Section - A

Q. 1. A 10-year-old boy presents with recurrent episodes of pain in his limbs and abdomen, jaundice, and anemia. His hemoglobin level is 8.0 gm/dL, and a peripheral smear shows Sickle-shaped red blood cells.

1. Discuss the diagnostic approach.
2. Write a clinical assessment of the patient
3. Outline the management strategy for this patient.

[15]

OR

Discuss the pathophysiology, clinical features, diagnostic criteria and management strategies for Essential hypertension.

[15]

Q. 2. Discuss the pathophysiology, clinical features, diagnostic criteria and management strategies for Guillain-Barre Syndrome (GBS). Include the role of supportive care and immunomodulatory treatments.

[15]

OR

Write answers to the following questions.

A. Outline the typical clinical presentation & management of an uncomplicated Acute urinary tract infection in a young female.

[08]

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[1]

[P.T.O.]

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B. Describe Basic life support and advanced life support in emergencies. [07]

Q. 3. Write Short notes (Any three) [15]

1. Rabies
2. Urticaria
3. ECG findings in Acute myocardial infarction
4. Mood disorders—challenges and management
5. Worm infestations in children—presentation and management

Q. 4. Select the right option for the given question. [05]

1. What is the hallmark laboratory finding in Iron deficiency anemia?

- A: Elevated serum ferritin
- B: Low serum iron with high total iron-binding capacity (TIBC)
- C: High hemoglobin levels
- D: Normal mean corpuscular volume (MCV)

2. Match the following cardiovascular conditions with their characteristic symptoms:

- | | |
|------------------|-------------------------------|
| 1. Stable Angina | 2. Myocardial Infarction (MI) |
| 3. Heart Failure | 4. Cardiac Arrhythmia |

Symptoms:

- a. Sudden, severe chest pain, often accompanied by nausea and diaphoresis
- b. Chest pain radiating to the arm, relieved by rest
- c. Palpitations, irregular heartbeat
- d. Shortness of breath, orthopnea, and paroxysmal nocturnal dyspnea

Options—

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

3. Match the following gait disorders with their characteristic features:

- 1. Ataxic Gait
- 2. Hemiplegic Gait

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[2]

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3. Parkinsonian Gait

4. Steppage Gait

Features:

- a. Wide-based gait, instability, and difficulty with balance and coordination
- b. Asymmetrical gait, circumduction of the affected leg and weakness on one side
- c. Shuffling gait, stooped posture and difficulty initiating movement
- d. High-stepping gait, foot drop and slapping of the foot on the ground

Options—

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

4. Match the following locomotor system conditions with their characteristic features:

- 1. Rheumatoid Arthritis
- 2. Osteoarthritis
- 3. Gout
- 4. Ankylosing Spondylitis

Features:

- a. Degenerative joint disease, joint pain, and stiffness, especially in weight-bearing joints
- b. Symmetrical polyarthritis, morning stiffness and joint deformity
- c. Sudden onset of intense joint pain, redness and swelling, often affecting the big toe
- d. Chronic inflammation of the spine and sacroiliac joints, leading to fusion and rigidity

Options—

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

5. Match the following dermatological conditions with their characteristic features:

1. Psoriasis
2. Eczema (Atopic Dermatitis)
3. Acne Vulgaris
4. Pemphigus Vulgaris

Features:

- a. Pruritic, erythematous, and edematous lesions, often in flexural areas
- b. Erythematous plaques with silvery scales, often on elbows and knees
- c. Flaccid bullae that rupture, leaving erosions and crusts, often involving mucous membranes
- d. Comedones, papules, and pustules, primarily on the face and trunk

Options—

A: 1 - a, 2 - b, 3 - c, 4 - d

B: 1 - c, 2 - d, 3 - a, 4 - b

C: 1 - b, 2 - a, 3 - d, 4 - c

D: 1 - d, 2 - c, 3 - b, 4 - a

Section - B

Q. 1. Write indications of the following homeopathic medicines for the management of Essential hypertension. [15]

1. Glonoinum
2. Nux vomica
3. Lachesis mutus
4. Kalium Phosphorica
5. Crataegus oxyacantha

OR

Write indications of the following homeopathic medicines for the management of Enteric fever. [15]

1. Bryonia alba
2. Arnica montana
3. Baptisia tinctoria
4. Arsenicum album
5. Muriaticum acidum

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[4]

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Q. 2.

Write indications of the following homeopathic medicines for the management of Urinary tract infection.

1. Sarsaparilla
2. Cantharides
3. Benzoic acid
4. Berberis Vulgaris
5. Equisetum autumnale

[15]

OR

Write answers to the following questions.

- A. Write indications of Opium and Gelsemium for paralysis. [08]
- B. Write indications of Ferrum metallicum & Hypericum for frozen shoulders. [07]

Q.3. Write indications of homeopathic medicine for a given disease. [15]
(Any three)

1. Anemia—Cinchona officinalis
2. Acute arthritis—Ledum palustre
3. Septicemia—Pyrogenum
4. Behavioral disorder—Chamomilla
5. Depression—Aurum metallicum

Q. 4. Write the answer to the following question. [05]

1. Constricting sensation in the precordium is found in Kalmia latifolia - TRUE or FALSE
2. Name medicine for Epileptic aura starts from the knee.
3. Name medicine for Eczema with formation of deep crust and beneath that collection of fluid.
4. Name medicine for Sensation as if the heart would stop beating if she moved.
5. Name medicine for Urine passes freely in a standing position and urine dribbles away when sitting.