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MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2017

SUBJECT: MIT 204 – MEDICINE

Friday, June 02, 2017

Time: 10.00-11.30 Hrs.

Max. Marks: 40

Answer ALL questions.

1. Enumerate causes, clinical features and the management of hypertension. (2+3+5 = 10 marks)
2. **Write short notes on following questions:**
 - 2A. Management of shock (5 marks)
 - 2B. Clinical features and management of bronchogenic carcinoma (2+3 = 5 marks)
 - 2C. Causes, clinical features and management of Acute kidney injury (1+2+2 = 5 marks)
 - 2D. Describe clinical features and management of peptic ulcer disease (2+3 = 5 marks)
 - 2E. Clinical features and management of tuberculosis (2+3 = 5 marks)
 - 2F. Clinical features and management of liver abscess (2+3 = 5 marks)



MANIPAL UNIVERSITY**FOURTH SEMESTER B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2017****SUBJECT: MIT 208 – PSYCHOLOGY**

Monday, June 05, 2017

Time: 10.00-13.00 Hrs.

Max. Marks: 80

1. Choose the single best answer:

1A. The key feature of panic attack disorder is

- i) Autonomic arousal ii) Excessive fear of going out
iii) Excessive washing iv) Low mood

1B. Tower of London is the test of

- i) Memory ii) Concept formation
iii) Learning iv) Planning

1C. Variables are controlled in which of these methods

- i) Introspection ii) Observation
iii) Experimental iv) Survey

1D. The assumption that negative early developmental experiences and inner unconscious conflicts leads to Psychiatric disorders belongs to which model?

- i) Behavioural ii) Existential
iii) Psychodynamic iv) Biopsychosocial

1E. Which among the following is NOT a Personality test?

- i) Object sorting test ii) Thematic apperception test
iii) Rorschach Inkblot test iv) Sentence completion test

(1 mark × 5 = 5 marks)

2. Write definitions on any FIVE of the following:

- 2A. Clinical psychology
2B. Normality
2C. Crises reaction
2D. Observation
2E. List out binocular cues
2F. Intelligence
2G. Maslow's hierarchy of motives

(3 marks × 5 = 15 marks)

3. Write short notes on any SIX of the following:

- 3A. Case history
3B. Schizophrenia

- 3C. Token economy
- 3D. Types of coping
- 3E. Scope of clinical psychology
- 3F. Assessment of Intelligence
- 3G. Perceptual organization
- 3H. Types of Conflict
- 3I. Cannon Bard theory of emotion

(5 marks × 6 = 30 marks)

4. **Write essay on any TWO of the following:**

- 4A. Discuss types of attention and explain factors affecting attention.
- 4B. Define stress and discuss its impact on health.
- 4C. Discuss nature, goals and types of counseling.

(15 marks × 2 = 30 marks)



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MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2017

SUBJECT: MIT 206 – SURGERY

Friday, June 09, 2017

Time: 10.00-11.30 Hrs.

Max. Marks: 40

✍ **Main question:**

1. Classification, etiology, clinical features in urolithiasis. Investigations in urolithiasis.
(2+2+2+4 = 10 marks)

2. **Short notes:**

- 2A. Investigations in pneumoperitoneum
2B. Write causes and investigations in dysphagia
2C. Causes of hepatomegaly
2D. Investigation in thyroid swelling
2E. Write Clinical features and investigations Abdominal tuberculosis
2F. Role of FNAC

(5 marks × 6 = 30 marks)



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MANIPAL UNIVERSITY

FOURTH SEMESTER BACHELOR OF CLINICAL OPTOMETRY/ B.Sc. MIT/B. PFT & FIRST SEMESTER BPT (BRIDGE PROGRAM) DEGREE EXAMINATION – JUNE 2017

SUBJECT: PHARMACOLOGY/PHARMACOLOGY II
(BOP 210:GS – 2012 SCHEME/MIT 202-2014 SCHEME/PFT 202 – 2015 & 2014 SCHEME/)

Wednesday, June 07, 2017

Time: 10:00-11:30 Hrs.

Max. Marks: 40

Answer the following questions:

1. Explain the following terms with an example:

- 1A. Idiosyncrasy
- 1B. Synergism
- 1C. Chemoprophylaxis
- 1D. Local anesthetics

(2 marks × 4 = 8 marks)

2. Mention one advantage and one disadvantage of the following routes of drug administration:

- 2A. Transdermal
- 2B. Subcutaneous

(1 mark × 2 = 2 marks)

3A. Explain the mechanism of action of chloroquine.

3B. List two classes of antiasthmatic drugs with an example for each.

3C. List two cholinergic receptors and mention two adverse effects of atropine.

(2+2+2 = 6 marks)

4. Mention two examples and two uses of the following group of drugs:

- 4A. Proton pump inhibitors
- 4B. NSAIDs
- 4C. ACE inhibitors

(2 marks × 3 = 6 marks)

5. List two drugs used in the following conditions:

- 5A. HIV infection
- 5B. Vomiting
- 5C. Parkinsonism
- 5D. Tuberculosis
- 5E. Epilepsy

(1 mark × 5 = 5 marks)

- 6A. List two anticoagulants and explain the mechanism of action of any one.
- 6B. List two beta blockers and mention their two therapeutic uses and two adverse effects.
- 6C. Define first order kinetics.
- 6D. List two aminoglycosides and mention their four common properties.
- 6E. List two glucocorticoids and mention their two uses and two adverse effects.

(3+3+1+3+3 = 13 marks)



MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2017

SUBJECT: MIT 210 – RADIOGRAPHIC SPECIAL PROCEDURES AND PATIENT CARE (PART 2)

Monday, June 12, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

- ✍ Answer ALL the questions.
- ✍ Draw diagrams wherever required.

1. **Explain in detail:**

- 1A. Name the procedure to study lower spinal deformities. Write the indications, contraindications, preparation and filming of the procedure.
- 1B. Contrast media used in GIT.

(15 marks × 2 = 30 marks)

2. **Write short notes on the following:**

- 2A. Sialography
- 2B. Patient preparation, precautions and complications for angiography.
- 2C. List out the indication, contraindication, preparation and requirements for barium meal.
- 2D. Barium swallow for gastro-oesophageal reflux.
- 2E. Management for various contrast reactions.

(6 marks × 5 = 30 marks)

3. **Discuss the following:**

- 3A. Sion test
- 3B. Indications for phlebography
- 3C. Delayed films for intravenous urography
- 3D. Water soluble contrast enema

(5 marks × 4 = 20 marks)

