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MANIPAL UNIVERSITY

FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011

SUBJECT: GENERAL MEDICINE

Monday, December 12, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

PART – I

1. Answer any THREE of the following:

- 1A. Define diabetes mellitus. Describe the pathophysiology of type 1 diabetes mellitus. Mention the symptoms and signs, investigations and treatment of diabetic ketoacidosis.
- 1B. What is the causative organism and mode of spread of Leptospirosis? Describe the symptoms and signs, complications and treatment of Leptospirosis.
- 1C. Define COPD. What is the pathophysiology of emphysema? Mention the clinical features, investigations and treatment of an emphysematous patient.
- 1D. Define ARF. Enlist five important causes of ARF. Describe essential investigations and management of ARF.

(15×3 = 45 marks)

PART – II

2. Answer ALL the questions:

- 2A. Describe the symptoms and signs of sickle cell anemia.
- 2B. Mention the important investigations for diagnosis, and the treatment of hypothyroidism.
- 2C. Enlist five important causes and clinical features of bronchiectasis.
- 2D. Describe the treatment of a patient presenting with an acute myocardial infarction.
- 2E. Enlist five causes and the treatment for hypoglycemia.
- 2F. Describe the clinical features of vitamin B12 deficiency.

(5×6 = 30 marks)

PART – III

3. Answer the following:

Enumerate five causes of cardiac failure and five important investigations for diagnosis of the same.

(5 marks)



MANIPAL UNIVERSITY**FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011****SUBJECT: GENERAL SURGERY**

Tuesday, December 13, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer ALL questions.**1. Long Questions:**

- 1A. Define and classify wounds. Discuss the process of wound healing. Describe the phases of scar formation and add a note on ideal scar.
- 1B. What are the clinical features of cholecystitis? Discuss surgical treatment and post-operative complications of cholecystitis.
- 1C. Elaborate on aetiology and clinical features of peptic ulceration. Discuss management of peptic ulcers with a note on eradication therapy.
- 1D. Describe anatomy of heart. Describe in detail cyanotic and acyanotic congenital heart disease.
- 1E. Enumerate indications for blood transfusion. Describe grouping and cross-matching. Add a note on blood fractions used for transfusion. List a few complications of blood transfusion.

(10×5 = 50 marks)

2. Short Questions:

- 2A. Discuss sinus and fistula.
- 2B. Discuss Hypokalaemia.
- 2C. Give a few examples of adverse scars. Compare Hypertrophic and Keloid scars.
- 2D. Discuss clinical features and management of incisional hernia.
- 2E. Discuss Keratitis.
- 2F. Discuss management of carcinoma oesophagus.

(5×6 = 30 marks)

MANIPAL UNIVERSITY
FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011
SUBJECT: SOCIAL AND PREVENTIVE MEDICINE AND SOCIOLOGY

Wednesday, December 14, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

- ✍ Answer SECTION – 'A' and SECTION – 'B' in separate answer books.
 ✍ Answer ALL the questions.

SECTION – A: SOCIAL AND PREVENTIVE MEDICINE: 40 MARKS

- 1A. Define epidemiology.
 1B. Mention different types of epidemiological methods.
 1C. Describe any ONE method of your choice, you would like to use to carry out a study in the community.

(1+4+5 = 10 marks)

2. Discuss Malaria under the following heads:

- 2A. Epidemiology
 2B. Vector control measures

(4+6 = 10 marks)

3. Write short notes on:

- 3A. Enumerate all the vaccines which are given to children up to five years as per the Indian National Immunization program.
 3B. Vitamin A Prophylaxis
 3C. Community based rehabilitation
 3D. Enumerate the benefits to the employees under ESI Act.

(5×4 = 20 marks)

SECTION 'B': SOCIOLOGY : 40 MARKS

4. What is community? What is its role in determining beliefs, practices related to health and treatment?

(2+8 = 10 marks)

5. Explain the meaning of social problems. List the consequences and remedies for prostitution.

(2+8 = 10 marks)

6. Define family. How does family shape human personality?

(2+8 = 10 marks)

7. Short Answers:

- 7A. Meaning of sub- culture with examples.
 7B. Role of socialization in health care.

(5×2 = 10 marks)



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FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011

SUBJECT: PSYCHIATRY AND CLINICAL PSYCHOLOGY

Thursday, December 15, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1. Discuss clinical features and management of depression.
(20 marks)
2. What is crisis? Discuss the stages of crisis and outline the management of crisis with reference to these stages.
(20 marks)
3. **Write an essay on the following:**
 - 3A. Discuss any three methods of clinical psychology describing their merits and demerits.
 - 3B. Dissociative disorders.
(10×2 = 20 marks)
4. **Write short notes on the following:**
 - 4A. Assessment of intelligence
 - 4B. Behavior therapy
 - 4C. Psychosocial rehabilitation
 - 4D. Classification of psychiatric disorders
(5×4 = 20 marks)



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FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011

SUBJECT: OCCUPATIONAL THERAPY IN PAEDIATRICS AND DEVELOPMENTAL DISABILITIES

Friday, December 16, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer ALL questions.

1. Define Sensory Integration. Explain the assumptions of Sensory Integrative theory. Describe the function-dysfunction of vestibular system and its postulates regarding change.
(2+5+4+4 = 15 marks)
2. Discuss any three frames of references to assess and intervene for the dysfunction of hand.
(5+5+5 = 15 marks)
3. Define Dysgraphia. Explain the assessment areas and the management techniques for the same in detail.
(3+12 = 15 marks)
4. Define visual perception. Differentiate visual receptive components and visual cognitive tasks and explain the hierarchy of visual perceptual skill development.
(2+8+5 = 15 marks)
5. **Short Notes:**
 - 5A. Compare and contrast exploratory play with symbolic play.
 - 5B. Clinical features of a child with hydrocephalus.
 - 5C. Any two positioning techniques to improve head control in Cerebral Palsy.
 - 5D. Indirect service delivery system in occupational therapy.

(5×4 = 20 marks)



MANIPAL UNIVERSITY**FOURTH YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2011****SUBJECT: OCCUPATIONAL THERAPY IN MENTAL HEALTH**

Saturday, December 17, 2011

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1. Explain the function - dysfunction continuum and periods of occupational development as described by the Model of Human Occupation.
(7+8 = 15 marks)
2. Classify personality disorders. Plan Occupational Therapy intervention for a 30 year old bank employee diagnosed with Schizoid Personality Disorder.
(6+9 = 15 marks)
3. Analyse cooking as an activity for a group of women diagnosed with schizophrenia. Discuss in detail about the activity adaptation methods.
(7+8 = 15 marks)
4. Discuss in detail the various therapeutic qualities necessary in an occupational therapist working in a mental health set-up. Explain the communication guidelines / techniques to be followed while dealing with patients with psychiatric disorders.
(8+7 = 15 marks)
5. **Write Short Notes on the following:**
 - 5A. Side effects of antidepressants and anti anxiety drugs and their implications to OT
 - 5B. Safety techniques to be followed in a mental health set-up
 - 5C. Mental imagery and its types
 - 5D. Occupational therapy goals for Brief Psychotic Disorder

(20 marks)

