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MANIPAL UNIVERSITY

FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: GENERAL MEDICINE

Monday, May 27, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

1. **Answer any THREE of the following:**

- 1A. Discuss in detail an approach to a patient with iron deficiency anemia.
- 1B. Discuss the etiology, pathogenesis, clinical features, complications and treatment of Typhoid fever.
- 1C. Describe the pulmonary function tests, discuss their clinical significance.
- 1D. Define heart failure. Discuss the causes, pathophysiology, clinical features and management of heart failure.

(15×3 = 45 marks)

2. **Write short notes on:**

- 2A. Dengue hemorrhagic fever
- 2B. Causes of clubbing
- 2C. Sickle cell anemia
- 2D. Complications of Diabetes mellitus
- 2E. Renal transplantation
- 2F. Evaluation and management of acute diarrhea

(5×6 = 30 marks)

3. **Write short notes on: Scabies**

(5 marks)



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FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: GENERAL SURGERY

Wednesday, May 29, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

1. **Long questions**

- 1A. 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.
- 1B. Define and classify wounds. Discuss the process of wound healing. Describe the phases of scar formation and add a note on ideal scar.
- 1C. Discuss the clinical features and investigation of peripheral vascular disease. Discuss endoscopic and surgical management options for peripheral vascular disease.
- 1D. Classify burns. Discuss management and complications of burns.
- 1E. Discuss types and clinical features of prolapse rectum. Describe management of prolapse rectum.

(10×5 = 50 marks)

2. **Short questions:**

- 2A. Discuss types of Regional anaesthesia.
- 2B. Discuss the metabolic sequelae of stress response.
- 2C. Discuss surgical treatment of cholecystitis.
- 2D. Discuss Stomas. Add a note on complications of stomas.
- 2E. Classify hernia.
- 2F. Write a short note on otitis media.

(5×6 = 30 marks)



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MANIPAL UNIVERSITY

FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: OCCUPATIONAL THERAPY IN MENTAL HEALTH

Friday, June 07, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

1. Describe the alcohol de-addiction program. Explain assertiveness training for alcoholics who have completed the de-addiction program.
(5+10 = 15 marks)
2. Explain Maslow's hierarchy of needs and the key variables in client centered occupational therapy practice.
(8+7 = 15 marks)
3. Describe in brief the clinical features of catatonic schizophrenia. Outline an occupational therapy program for a 25-year old female diagnosed with the same.
(3+12 = 15 marks)
4. What are the different approaches to group work? Write a group protocol for an activity, appropriate for chronic schizophrenic patients functioning at a parallel level.
(7+8 = 15 marks)
5. **Write short notes on the following:**
 - 5A. Occupational therapy goals for delusional disorder
 - 5B. Behavioural contract for anger management
 - 5C. Issues arising in a therapeutic relationship
 - 5D. Psychotic defense mechanisms
(5×4 = 20 marks)



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FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: PSYCHIATRY AND CLINICAL PSYCHOLOGY

Monday, June 03, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer ALL questions:

1. Discuss cognitive therapies with respect to Ellis and Beck's model. (20 marks)
2. Describe the types of neurotic disorders and its impact on adjustment. (20 marks)
3. **Write an essay on the following:**
 - 3A. Mental Retardation
 - 3B. Clinical features of schizophrenia(10×2 = 20 marks)
4. **Write short notes on the following:**
 - 4A. Shaping
 - 4B. Psychosocial rehabilitation
 - 4C. Effects of stress
 - 4D. Assessment of personality(5×4 = 20 marks)



MANIPAL UNIVERSITY

FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: OCCUPATIONAL THERAPY IN PAEDIATRICS AND DEVELOPMENTAL DISABILITIES

Wednesday, June 05, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer ALL the questions.

1. Explain the DSM-IV criteria for the diagnosis of Developmental Coordination Disorder (DCD). Explain Top-down and Bottom up theories of DCD.
(5+5+5 = 15 marks)
2. What are the phases of swallowing? Explain any two motor and sensory issues of feeding difficulty, along with the management plan.
(5+5+5 = 15 marks)
3. What are the assumptions of Neuro-developmental Frame of reference? Explain the function dysfunction continuum and postulates regarding intervention for dissociation of movement.
(5+5+5 = 15 marks)
4. Describe the various types of grasp patterns seen in normal children with emphasis on the developmental considerations and also discuss in detail some intervention strategies for developing grasp skills in disabled children.
(7+8 = 15 marks)
5. **Write short notes on:**
 - 5A. Comparison between nutritive and non-nutritive sucking
 - 5B. Discuss the stages of toilet training in MR children
 - 5C. Features of a child with difficult temperament
 - 5D. Process of goal setting in children
(5×4 = 20 marks)



MANIPAL UNIVERSITY

FOURTH YEAR B.O.T. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: SOCIAL AND PREVENTIVE MEDICINE AND SOCIOLOGY

Friday, May 31, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer all the questions.**

✍ **Answer SECTION – ‘A’ and SECTION – ‘B’ in separate answer books.**

SECTION – A: SOCIAL AND PREVENTIVE MEDICINE: 40 MARKS

- 1A. Describe modes of disease transmission in an infectious disease.
- 1B. Classify types of disinfection.
- 1C. Discuss disinfection of sputum in a Tuberculosis patient.

(6+2+2 = 10 marks)

2. Write short notes on:

- 2A. Epidemiology of Filariasis
- 2B. Prevention of hospital acquired infection
- 2C. Occupational cancers
- 2D. Prevention of iron deficiency anaemia
- 2E. Write briefly the steps in conducting a research
- 2F. Discuss the community based rehabilitation of a poliomyelitis patient.

(5×6 = 30 marks)

SECTION ‘B’: SOCIOLOGY : 40 MARKS

3. Explain the impact of culture on human behavior. In what way the knowledge of culture is applicable in the care of patients.

(6+4 = 10 marks)

4. Explain the consequences of population growth on health. What measure do you suggest to prevent?

(5+5 = 10 marks)

5. Define social change. Explain the positive and negative effect of social change.

(2+8 = 10 marks)

6. Short answer questions:

- 6A. Life style and health
- 6B. Factors which influence the perception of illness

(5×2 = 10 marks)

