



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – May 2025

IV Semester

Class : II UG
Major : Physiotherapy

Time: 3 Hours
Max. Marks: 100

22BPTC17 General Surgery, Paediatric and Geriatric

Course Outcome:

On the successful completion of the course, students will be able to

CO1: Knowledge of principles of surgery and the application of basic sciences to surgical treatment and describes abdominal surgical incisions.

CO2: Analysis the causes, indication, types of incisions, pre operative assessment, procedure, postoperative assessment, its complication

CO3: Understand about growth and development in pediatric population

CO4: Know the treatment and prevention of pediatric conditions

CO5: Knowledge about geriatric diseases

Part A

10 x 1 = 10

Choose the Correct Answer

- A rare procedure that removes entire breast, skin, lymphnodes & both pectoral muscles is
a. Total Mastectomy
b. Radical Mastectomy
c. Modified Mastectomy
d. Nipple Sparing
CO1 K1
- Incision most commonly used for Appendectomy
a. Midline
b. Lanz
c. Kocher's
d. Mc Burney's
CO1 K1
- A 35 year old male patient has full thickness burns at Antero- posterior part of the head and neck, front of left leg and perineum, by using the rule of 9 calculate the total surface area that burnt
a. 19%
b. 14.5%
c. 29%
d. 37%
CO2 K1
- Loss of colour in the burnt area is
a. Hyper pigmentation
b. De-pigmentation
c. Hypo-pigmentation
d. Pigmentation
CO2 K1
- BCG vaccination is to prevent
a. Leprosy
b. Polio
c. Hepatitis
d. Tuberculosis
CO3 K1
- The following is one of the live attenuated vaccine
a. Sabin
b. Salk
c. IPV
d. DPT
CO3 K1
- The muscular dystrophy is one of the inherited by autosomal dominant
a. Duchenne
b. Facioscapuloheumeral
c. Limb Girdle
d. Beckers
CO4 K1
- Protein energy mal nutrition corresponds to a state the infants dietary intake is deficient in
a. Protein
b. Overall calories
c. Both a & b
d. Carbohydrates
CO4 K1
- Heart muscle is damage leads to releasing of protein into the bloodstream
a. Troponin T
b. Serum Albumin
c. Globulin
d. Creactive protein
CO3 K1
- Cataract is
a. cancer in the eye
b. clouding of the lens
c. double vision
d. blindness of the lens
CO3 K1

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

11. a. Mastectomy: Indications, surgical techniques. CO1 K3
(or)
11. b. Appendectomy: Indications, surgical techniques. CO1 K3
12. a. Write in detail about the Skin grafting in burns. CO2 K3
(or)
12. b. Write in detail about Rules of Nine for assessment of Burns. CO2 K3
13. a. Write in detail about Developmental mile stones. CO3 K3
(or)
13. b. Write about the Causes & features of Mental Retardation. CO3 K3
14. a. Mention the clinical features of vitamin D deficiency in children and adults. CO4 K3
(or)
14. b. Describe about the clinical features & Complication of Bronchial asthma. CO5 K3
15. a. Explain in detail about Prostatectomy. CO5 K3
(or)
15. b. Explain in detail about various types of cataract and its clinical features. CO5 K3

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

16. a. Define Burns. Describe the types, causes, pathophysiology, clinical assessment, management, deformities and plastic surgery correction procedures in Burns. CO2 K4
(or)
16. b. Describe in detail about the Physiotherapy goal setting in General surgery. CO2 K4
17. a. Define Cerebral Palsy. Describe the types, causes, clinical manifestations, investigations and treatment of Cerebral Palsy and role of physiotherapy. CO3 K4
(or)
17. b. Describe the community programmes on poliomyelitis & immunisation schedule for children. CO3 K4
18. a. Define muscular dystrophy, briefly describe the clinical features and management of Duchenne Muscular dystrophy. CO4 K4
(or)
18. b. Describe in detail about aetiology, patho physiology clinical features and Management of Lung infection. Write a note on Bronchiectas. CO4 K3,4
19. a. Define Hypertension, types, clinical features and its clinical management. CO5 K4
(or)
19. b. Define stroke. Discuss etiology, pathology, clinical features and management of Cerebro Vascular Accident. CO5 K4
20. a. Describe the types of Abdominal surgical incisions and add a note on common postoperative Complications. CO1 K3,4
(or)
20. b. Hysterectomy: Indications, surgical techniques and potential pre operative complication. CO1 K3,4
