



DCK-M201916

Seat No. _____

Second Year B. Physiotherapy Examination

July - 2022

Pathology & Microbiology

(New Course)

Time : 3 Hours]

[Total Marks : 80

SECTION - I

(Pathology)

- 1** Write answer of any **one** : **10**
- (a) Define Necrosis. Mention types of Necrosis. Write in detail any two types of necrosis with examples.
 - (b) Define thrombosis. Describe pathophysiology types morphology and fate of thrombus.
- 2** Write short answer on any **three** : **15**
- (a) Difference between benign and Malignant tumors.
 - (b) Morphology of joint in osteo arthritis.
 - (c) Granulomatus inflammation.
 - (d) Etiopathogenesis of Megaloblastic anaemia.
- 3** Write very short answers of any **five** : **15**
- (a) Factor deficiency in Haemophilia
 - (b) Types of emphysema
 - (c) Types of myopathies
 - (d) Etiology of non bacterial thrombotic endocarditis
 - (e) Risk factors of atherosclerosis
 - (f) Factors affecting healing of bone

SECTION - II
(Microbiology)

- 4 Write in detail : (any **one**) **10**
- (a) Describe Morphology, Cultural characteristics and laboratory diagnosis of *Staphylococcus aureus*.
 - (b) Define Sterilization. Write in detail about principle, uses, sterilization conditions and sterilization control of Autoclave.
- 5 Write short notes on : (any **three**) **15**
- (a) Describe structure and functions of Immunoglobulin G.
 - (b) Describe life cycle of *Plasmodium falciparum*.
 - (c) Laboratory diagnosis of Hepatitis B.
 - (d) Laboratory Diagnosis of Dermatophytosis.
- 6 Write answers in short : (any **five**) **15**
- (a) Enumerate four RNA viruses.
 - (b) Types of COVID vaccines with examples.
 - (c) Enriched culture media.
 - (d) Segregation of Biomedical waste. (Which type of waste to be disposed in which colour coded bag?)
 - (e) What are opportunistic infections?
 - (f) Mechanism and examples of Type I Hypersensitivity reaction.
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