

Question Paper

Exam Date & Time: 23-May-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

PHARMACOTHERAPEUTICS [PPR-ER20-24T-S2]

Marks: 80

Duration: 180 mins.

MCQs

Answer all the questions.

Section Duration: 30 mins

20 Q x 1 mark = 20 marks

1) Gliclazide is an oral hypoglycaemic agent coming under the class of (1)

[Alpha glucosidase inhibitor](#)

[Biguanide](#)

[Sulfonylureas](#)

[DPP-4 inhibitor](#)

2) Drug of first choice for tonic-clonic and partial seizures. (1)

[Carbamazepine](#)

[Ethosuximide](#)

[Gabapentin](#)

[Phenobarbital](#)

3) Which among the following is used to measure glucose level in blood (1)

[HbA1c](#)

[LFT](#)

[PFT](#)

[TSH](#)

4) The most common upper urinary tract infection is (1)

[Cystitis](#)

[Prostatitis](#)

[Pyelonephritis](#)

[Urethritis](#)

5) Which of the following is a mucoprotective drug? (1)

[Omeprazole](#)

[Misoprostol](#)

[Pantoprazole](#)

[Sucralfate](#)

6) Which among the following is an irreversible condition, even upon treatment? (1)

[Asthma](#)

[COPD](#)

[Hepatitis](#)

- 7) [Malaria](#)
Which among the following is a COVID-19 vaccine? (1)
- [Covishield](#)
[Covixen](#)
[Copivan](#)
[Coperven](#)
- 8) People in what age group are most likely to say they have symptoms of COPD? (1)
- [15 to 24](#)
[25 to 34](#)
[35 to 39](#)
[40 and older](#)
- 9) Which of the following would NOT be an expected sign of right-sided congestive heart failure? (1)
- [Prominent jugular vein](#)
[Hepatomegaly](#)
[Pulmonary edema](#)
[Pleural effusion](#)
- 10) The first stage of iron deficiency is marked by which of the following? (1)
- [Progressive depletion of bone marrow iron stores](#)
[Gradual decline in transferrin functioning](#)
[Slowing in iron elimination](#)
[Sharp decline in haematocrit levels](#)
- 11) The only orally administered drug for scabies is (1)
- [Benzyl benzoate](#)
[Crotamiton](#)
[Ivermectin](#)
[Permethrin](#)
- 12) Phototherapy for psoriasis consist of exposure to (1)
- [Gamma rays](#)
[Infra-red rays](#)
[Ultra-violet rays](#)
[X-rays](#)
- 13) Anti-Alzheimer's drug which is NOT an anti-cholinesterase class? (1)
- [Donepezil](#)
[Galantamine](#)
[Memantine](#)
[Rivastigmine](#)
- 14) Which type of stroke is caused by a blood clot blocking an artery in the brain? (1)
- [Haemorrhagic stroke](#)
[Ischemic stroke](#)
[Lacunar stroke](#)
[Transient ischemic attack](#)
- 15) What is the primary pharmacological treatment for rheumatoid arthritis? (1)

- [Antihistamines](#)
- [Antibiotics](#)
- [Antidepressants](#)
- [Nonsteroidal anti-inflammatory drugs \(NSAIDs\)](#)

16) Which among the following does NOT require a specific treatment to cure the condition (1)

- [Bacterial conjunctivitis](#)
- [Hepatitis A](#)
- [Pneumonia](#)
- [Upper urinary tract infection](#)

17) Polycystic ovarian syndrome is usually observed in females because of (1)

- [Increased blood pressure](#)
- [Female hormonal imbalance](#)
- [Glycaemic imbalance](#)
- [Thyroid dysfunction](#)

18) The inflammation and fluid in your lungs caused by a bacterial, viral or fungal infection is called (1)

- [Pneumonia](#)
- [Respiratitis](#)
- [Tuberculosis](#)
- [Upper respiratory tract infection](#)

19) Which among the following is NOT a beta lactam antibiotic? (1)

- [Cefazolin](#)
- [Clindamycin](#)
- [Meropenem](#)
- [Penicillin](#)

20) Aspirin is indicated in myocardial infarction because of its property, (1)

- [Antipyretic](#)
- [Anti-platelet](#)
- [Analgesic](#)
- [Anti-inflammatory](#)

Long Answers

Answer all the questions.

6 Q x 5 marks = 30 marks

- 1) Define depression. How can we manage depression? (5)
- 2) Explain the pharmacotherapy for asthma. (5)
- 3) Describe the pathophysiology and treatment of congestive heart failure. (5)
- 4) What is Parkinson's disease? List its THREE clinical manifestations. Describe the pharmacological treatment for parkinsonism (5)
- 5) Describe etiology, pathophysiology and signs and symptoms of peptic ulcer. (5)
- 6) Write the pathophysiology of rheumatoid arthritis. (5)

Short Answers

Answer all the questions.

10 Q x 3 mark = 30 marks

- 1) What are the guiding principles behind antibiotic prescription? (3)
- 2) What is status epileptics and how can we manage it? (3)
- 3) Name the causative organism of syphilis. How can we treat syphilis? (3)
- 4) Define hypothyroidism and state its signs & symptoms along with treatment. (3)
- 5) Define and explain anxiety. What are the non-pharmacological approaches to manage anxiety? (3)
- 6) Describe the types and treatment of glaucoma. (3)
- 7) What is cirrhosis? Write the treatment of cirrhosis. (3)
- 8) Differentiate between bacterial and viral conjunctivitis. (3)
- 9) Differentiate folic acid deficiency anaemia from vitamin B12 deficiency anaemia. (3)
- 10) Write the treatment for ulcerative colitis. (3)

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