

WBCS MADE EASY

CSM(O)-MSc-I/22

2022

MEDICAL SCIENCE

PAPER-I

Time Allowed — 3 Hours

Full Marks — 200

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining ones ignored.

Answers may be given either in English or in Bengali but all answers must be in one and same language.

1. Answer *any four* of the following: 10×4=40
 - (a) Enumerate the small muscles of hand and mention their functions.
 - (b) Describe the anatomy of conducting system of heart and briefly mention the function of SA Node.
 - (c) What are the pathophysiologic mechanisms of Bronchial Asthma?
 - (d) How oxygen is carried by Hemoglobin from lungs to peripheral tissues?
 - (e) Microbiological diagnosis of Dengue infection.
 - (f) Causative organism of COVID Pandemic. What was the main clinical problem in COVID 19?
2. Answer *any four* of the following: 10×4=40
 - (a) Common causes of Hypokalemia.
 - (b) Describe a neuromuscular junction and name diseases resulting from neuromuscular junction dysfunction.
 - (c) Draw and describe the visual pathway.
 - (d) What are the important features of hanging?
 - (e) Enumerate X-linked diseases and describe one of them.
 - (f) Define Jaundice. What are the types of jaundice?
3. Answer *any four* of the following: 10×4=40
 - (a) Enumerate Ketone Bodies. How it is produced within human body?
 - (b) Common causes of Hemorrhagic cerebrovascular Accident. What is subdural hematoma?
 - (c) What are the parts of a Nephron? How to prevent Glomerular injury?
 - (d) What is autoimmunity? Enumerate autoimmune disorders.
 - (e) What is Anemia? Common types of Anemia and their causes.
 - (f) What are the impacts of environmental pollution?

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4. Answer *any four* of the following:

10×4=40

- (a) What is Brain Death? What are precautions before organ harvesting before organ transplantation.
- (b) What are the common features of Paraquet Poisoning?
- (c) Describe the impact of obesity and over weight on human body.
- (d) What are the diseases diagnosed by simple Routine Urine and Blood Examination (Peripheral Smear)?
- (e) What are the types of steroid used for treatment purpose? What are different routes of administration?
- (f) What are the significance of sleep and wakefulness in human health?

5. Answer *any four* of the following:

10×4=40

- (a) What is hypertension? Name few anti-hypertensive drugs and their side effects.
- (b) Common causes of Acid Peptic Disorder. What are the side effects of prolonge 'Prazole' use?
- (c) Define Rape. What are the medicolegal examination necessary for the lady?
- (d) Name the organism causing Tuberculosis. What is XDR Tuberculosis?
- (e) What are the functions of Neutrophil in blood? Common causes of Neutrophilia.
- (f) How Thyroid Hormone is synthesized in human body?

For guidance of WBCS Prelims , Main Exam and Interview by WBCS Gr A Officers/ Toppers, WBCS Prelims and Main Mock Test (Classroom & Online), Optional Subjects, Study materials, Correspondence Course etc. Call WBCSMadeEasy™ at 8274048710 / 8585843673 or mail us at mailus@wbcsmadeeasy.in. Download WBCS MADE EASY app from play store. (We offer guidance and mock test for Clerkship, Miscellaneous and other WBPSC Exams. too by WBCS MADE EASY LITE)