

The West Bengal University of Health Sciences
MBBS 3rd Professional Part II Examination, March - April 2022

Subject : Medicine
Paper : I

Full Marks : 60
Time : 2½ hours

Attempt all questions. The figures in the margin indicate full marks in each question.

1. Define heart failure. What is the classification of heart failure? Discuss the management of acute decompensated heart failure. 2+4+4

2. Answer **any one** of the following:
 - a) A 15 year old girl presented with fever and migratory polyarthritis. How will you approach the case and discuss the management in brief. 5+5

 - b) A 40 year old lady presented with chronic diarrhoea with occasional mucus and bleeding for 7 years. Describe your approach to diagnose this case. Discuss briefly the management strategy of such patient. 6+4

3. Write short notes on **any five** the following: 5 x 4
 - a) Diagnosis of nephritic syndrome.
 - b) Hepatic encephalopathy.
 - c) Beriberi.
 - d) BCR-ABL fusion gene.
 - e) Pulsus paradoxus.
 - f) Anaphylactic hypersensitivity reaction.
 - g) Management of neurotoxic snakebite.

4. Write short notes on **any five** of the following : 5 x 4
 - a) Clinical importance of auscultation of second heart sound.
 - b) National viral hepatitis control programme (NVHCP).
 - c) Lichen planus.
 - d) Management of osteoporosis.
 - e) Indications of hemodialysis in CKD.
 - f) Prophylaxis of rabies.
 - g) Management of variceal bleeding.

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Subject : Medicine
Paper : II

Full Marks : 60
Time : 2 ½ hours

Attempt all questions. The figures in the margin indicate full marks.

1. Define CVA. Describe and discuss the management of a stroke patient presented within 2 hours of its onset. Enumerate the causes of stroke in young subject. 1+6+3

2. Answer *any one* of the following:
 - a) Define pneumothorax. Enumerate types of pneumothorax. Discuss the clinical features, diagnosis and management of tension pneumothorax. 1+3+6
 - b) An 18 year old boy presented to the emergency with generalized convulsion. What are the possibilities? How will investigate and manage the case? 2+5+3

3. Write short notes on *any five* of the following : 5 x 4
 - a) Laboratory investigation of CML.
 - b) Clinical feature of Guillain Barre syndrome.
 - c) Management of diabetic neuropathy.
 - d) Scabies-Clinical feature and management.
 - e) Clinical feature of schizophrenia.
 - f) Obsessive compulsive disorder.
 - g) Neurocysticercosis.

4. Write short notes on *any five* of the following : 5 x 4
 - a) Diagnosis of thalassemia.
 - b) Acute encephalitis syndrome.
 - c) Laboratory diagnosis of multiple myeloma.
 - d) Cytokine Storm in covid 19 infection.
 - e) Horner's syndrome.
 - f) Insulin sensitizers.
 - g) Toxic epidermal Necrolysis (T.E.N).

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Subject: Surgery
Paper : I

Full Marks : 60
Time : 2½ hours

*Attempt all questions. The figures in the margin indicate full marks.
Question no.4 should be written on a separate answer script*

1. What are the factors influence healing of wound? Enumerate the phases of normal wound healing? Classify wound closure. 6+5+4

2. Answer any one of the following :
 - a) A 40 year old presented in the emergency with acute pain in right hypochondrium for the last four hours ever since she took her lunch. What are the differential diagnoses? How will you confirm your diagnosis? What is the management of acute gallstone pancreatitis? 5+5+5

 - b) A 50 year old manual labourer with a long standing history of COPD came to the OPD with a swelling in the left groin for the last few months that increased on straining and reduced on lying down. What could be the probable diagnosis? How will you investigate the case ? How will you manage a case of strangulated inguinal hernia ? 2+5+8

3. Write short notes on *any three* of the following: 3 x 5
 - a) Autoclaving.
 - b) Pre-operative preparation in a case of Gastric outlet obstruction.
 - c) Types of dermoid cyst
 - d) Alvarado score
 - e) Fissure-in-ano

4. Write short notes on *any three* of the following: 3 x 5
 - a) Pseudogout.
 - b) Mallet finger.
 - c) Greenstick fracture.
 - d) Osteochondroma.
 - e) Involucrum.

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Subject: Surgery
Paper : II

Full Marks : 60
Time : 2½ hours

Attempt all questions. The figures in the margin indicate full marks.

1. What are causes of hematuria? How will you confirm your diagnosis? What is the management of a case of renal cell carcinoma affecting the lower pole of right kidney of a 46 year old male patient? 4+5+6

2. Answer any one of the following :
 - a) A 30 year old lady presented in the OPD with a small painless swelling on the left side of anterior aspect of neck that moves up and down with deglutition but not on protrusion of tongue. What are the differential diagnoses? How will you investigate the case? How will you manage a case of toxic thyroid nodule? 3+5+7

 - b) Discuss the clinical features, investigation and treatment of benign hypertrophy of prostate. 3+4+8

3. Write a short notes on *any three* of the following: 3 x 5
 - a) Autotransfusion.
 - b) Types of skin grafts.
 - c) Sub-dural haematoma
 - d) Torticollis
 - e) Marjolin's ulcer

4. Write short notes on *any three* of the following: 3 x 5
 - a) Epulis.
 - b) Complications of radiotherapy.
 - c) Digital block.
 - d) CECT.
 - e) Phimosis.

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Subject : Paediatrics (including Neonatology)

Full Marks : 40

Time : 2 hours

Attempt all questions. The figures in the margin indicate full marks in each question.

1. Write briefly about hepatic function. How will you manage acute viral hepatitis in children? 5+5

2. Write briefly *any two* of the following : 2 x 5
 - a) Common causes of pathological jaundice and complication of phototherapy in newborn.
 - b) Management of hypoglycaemia in newborn.
 - c) Common causes of bleeding in neonate.

3. Write short notes *any three* of the following : 3 x 4
 - a) Pneumococcal Vaccine.
 - b) Congenital Hypothyroidism.
 - c) Causes of mono arthritis in children.
 - d) Chelation therapy in thalassemia.

4. A 10 month old infant presented with fever, cough and respiratory distress of 2 days' duration. What are the common possibilities as causes? How to manage this baby. 4+4

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Subject: Obstetrics & Gynaecology
Paper : I

Full Marks: 40
Time : 2 hours

Attempt all questions. The figures in the margin indicate full marks.

1. Define Post partum Haemorrhage. Write down the aetiological factors of atonic PPH. Outline the medical management of PPH. 2+3+5

2. What is Rh-isoimmunization ? Enumerate few obstetric conditions associated with fetomaternal hemorrhage. Outline the management of rh-isoimmunized pregnancy. 1+2+7

3. Write short notes on *any two* of the following: 2 x 5
 - a) Follow up of Molar Pregnancy.
 - b) Causes of prolonged 2nd stage of labour.
 - c) Causes of early trimester bleeding Per Vagina.
 - d) Subinvolution of uterus.

4. Answer briefly *any two* of the following: 2 x 5
 - a) Heart disease in pregnancy should have longer postpartum hospital stay even after vaginal delivery.
 - b) Regular antenatal check-up can reduce maternal mortality.
 - c) Surgical treatment is not mandatory in all cases of ectopic pregnancy.
 - d) USG is essential in early pregnancy.

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Subject: Obstetrics & Gynaecology
Paper : II

Full Marks: 40
Time : 2 hours

Attempt all questions. The figures in the margin indicate full marks.

1. Define abnormal uterine bleeding (AUB). What are the causes of AUB? How would you diagnose and manage a case of HMB (menorrhagia) due to fibroid uterus in a woman aged 45 year. 2+3+5

2. Classify pelvic organ prolapsed. Discuss the principles of management of 3rd degree uterine prolapsed in young, elderly and very elderly women. 4+6

3. Write short notes on *any two* of the following: 2 x 5
 - a) Bacterial vaginosis.
 - b) Cervical transformation zone.
 - c) Hirsutism.
 - d) Bartholin cyst.

4. Answer briefly *any two* of the following: 2 x 5
 - a) HRT can prevent post menopausal osteoporosis.
 - b) Tumour markers are essential guide in ovarian tumour treatment.
 - c) Management of mixed incontinence of urine should be done after exclusion of UTI.
 - d) Choriocarcinoma is a curable disease.