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(This paper is consists of 2 pages)

26-12-2022

01221 A1+01221 A2

II-MBBS

Second M.B.B.S. (Main) Examination (New Scheme)

December - 2022

PATHOLOGY

Paper-First

Time: Three Hours

Maximum Marks: 100

Attempt all questions in both sections

(Use separate answer book for each section)

## Section-A

1. Fill in the blanks: 6 x 1 = 06

a) In cell death, myelin figures are derived from _____.

b) Oxygen dependent killings is done through _____.

c) Iron is transported in plasma by _____.

d) Shelf life of whole blood is _____.

e) Stain for amyloid is _____.

f) NAP score is low in _____.

2. Answer the followings (Multiple Choice Questions): 4 x 1 = 04

i) Most common anatomical site for atherosclerosis is

a) Coronary artery

b) Abdominal aorta above the level of renal artery

c) Abdominal aorta below the level of renal artery

d) Common iliac artery

ii) In hereditary spherocytosis mutations affecting all of the following can be seen except:

a) Ankyrin b) Spectrin c) Band 4.2 d) Glycophorin A

iii) Extrinsic pathway of coagulation is best assessed by:

a) PT b) APTT c) Von Willebrand factor d) Clotting time

iv) An increase in reticulocyte count can be seen in all of the following except:

a) Hemolytic anemia b) Blood loss c) Aplastic anemia

d) Nutritional anemia on treatment

3. A 30 years old male presented with high grade fever for 5 days. Later, he developed palpitation and breathlessness. On examination pulse rate was 120/min with weak peripheral pulse, blood pressure 80/60 mmHg and respiration rate 25/min.

a) What is the probable diagnosis and why? 05



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a) Management of gestational hypertension

b) Methotrexate c) Immunosuppresants

d) Antiplatelet drugs e) Eplerenone f) Vitamin K

5. Explain why (Any three): 3 x 5 = 15

a) Furosemide is used in the treatment of acute left ventricular failure.

b) Levothyroxine T4 is preferred over T3 in hypothyroidism.

c) Warfarin has a black box warning on its label.

d) Metformin is used in poly cystic ovarian syndrome.

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## Section-B

6. A 35 years old female visited medicine department with complaints of cough, evening rise of fever, loss of appetite, weight loss since 1 month. After complete investigations, diagnosis of pulmonary Koch's was made.

a) Mention the drug regimen for this patient 05

b) Why multi drug therapy is preferred 03

c) Write down the side effects of first line drugs 03

d) Write down the management of XDR tuberculosis 05

e) Write down the precautions to be taken by the patient 04

7. Write short notes on (Any five): 5 x 2 = 10

a) Management of P. falciparum malaria.

b) Management of Urinary tract infections.

c) Amphotericin B.

d) Uses of corticosteroids.

e) Treatment of Psoriasis.

f) COVID-19 vaccine.

8. Explain Why (Any Four): 4 x 5 = 20

a) Penicillins are combined with beta lactam inhibitors.

b) ACE inhibitors are given in patients of CHF.

c) Androgens are used for doping.

d) Aminoglycosides are used with caution in geriatric patients.

e) Anticholinergics are contraindicated in glaucoma.

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