Civil Services (Main) Examination, 2010

MEDICAL SCIENCE

(Paper II)

Time Allowed : Three Hours **Maximum Marks : 300**

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two Sections.
Candidate has to attempt FIVE questions in all.
Question Nos. 1 and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each Section.
The number of marks carried by a question/part is indicated against it.
Wherever any assumptions are made for answering a question, they must be clearly indicated.
Word limit in questions, wherever specified, should be adhered to.

SECTION 'A'

1. Answer any four of the following:

(a) How will you manage a case of acute severe bronchial asthma? **15**

(b) Enumerate the causes of secondary hypertension. Describe, in brief, the treatment of a patient with essential hypertension. **15**

(c) Describe uses of intravenous human immunoglobulin (IVIG) in dermatological diseases. **15**

(d) Discuss the management of a 2-year-old child presenting with diarrhoea for 10 days. The child weighs 5 kg, looks moribund and has low volume peripheral pulses. **15**

(e) Describe the diagnostic categories for acute respiratory infections and pneumonia as per WHO classification. Outline the management of severe pneumonia. **15**

2. (a) What are the common causes of haemetemesis? Discuss the treatment of duodenal ulcer. **20**

(b) Mention common incriminating allergens. Discuss the management of allergic dermatitis. **20**

(c) Outline the National Immunization Schedule as practiced under the RCH programme. **20**

3. (a) Describe post-exposure prophylaxis for rabies and management of dog bites. **20**

(b) Enumerate types of psoriatic arthropathies. How will you manage a case of severe psoriatic arthropathy? **20**

(c) Enumerate common congenital cyanotic heart diseases in paediatrics practice. Describe salient clinical features of tetralogy of Fallot. **20**

4. (a) Outline the causes of acute liver cell failure (hepatic encephalopathy). Discuss, in brief, its management. **20**

(b) Describe Koebner's phenomenon and enumerate various skin disorders in which it is observed. **20**

(c) A 4.2 kg, 38 weeks gestation, male baby is born to a 28-year-old primi-gravida who has an unsupervised pregnancy by an emergency caesarean section. The child at 1 hour of age was noticed to have respiratory distress and blood glucose of 12 mg/dl. Discuss, in brief, the differential diagnosis and outline the key points in management of this child. **20**

SECTION 'B'

5. Answer any four of the following:

English version compiled from published transcriptions and cross-checked across sources; not a facsimile of the official UPSC question paper.

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	(a)	How would you manage a young man with recurrent ulceration just above the medial malleolus of right lower limb?	**15**
	(b)	How would you investigate a 40-year-old lady found to have 5 × 5 cm adrenal mass?	**15**
	(c)	Describe the indications and contraindications of oral contraceptives.	**15**
	(d)	Describe the management of a lady with hyperemesis gravidarum.	**15**
	(e)	Describe the management of Biomedical Waste.	**15**
6.	**(a)**	Describe the problem of nutritional anaemia in India. Describe the National Nutritional Anaemia Prophylaxis Programme.	**20**
	(b)	What do you understand by Evaluation of Health Services? Describe the elements of an Evaluation Study and discuss the general steps involved.	**20**
	(c)	Discuss measurements of Disease Frequency in Epidemiology, giving their advantages and limitations.	**20**
7.	**(a)**	How would you manage a 21-year-old lady admitted with features suggestive of repeated episodes of sub acute intestinal obstruction? Her mother was treated for pulmonary tuberculosis.	**20**
	(b)	Discuss the hormonal management of a 70-year-old man with carcinoma prostate.	**20**
	(c)	How would you manage a 35-year-old lady with 2 × 2 cm carcinoma breast?	**20**
8.	**(a)**	Describe the prevention and management of post-partum haemorrhage.	**20**
	(b)	Describe the management of a lady with cervical cancer in early stage.	**20**
	(c)	Describe the management of pregnancy induced severe hypertension.	**20**

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