6. <u>For</u> 7.	Candidate:		,,,
10.	Calculate the dose of amoxicillin for a child of 3 years		
11.	(adult dose =500mg 8 hourly)		
<b>12.</b> 13.	Key:		
14. 15.	Youngs formula =adult dose ×age (years) /age+12		02
16. 17.	So dose of amoxicillin for 3 years child would be		
18.	Dose for 3 years	=500×3/3+12	02
20.		=500×3/15	
22.		=500×1/5	
24.		=100mg	
01	So dose of 3	years child is =100mg 8 hourly	

#### For Candidate:

A 35 years old known alcoholic male presented in the OPD now with complaints of griping abdominal pain and 4 - 5 stools in a day with mucus and blood; stool examination also reveals presence of entamoeba histolytica.

#### Task NO 3:

#### Carefully read and answer the following question:

- 1. Name TWO Nitroimidazoles along with doses and duration of the therapy, which are luminal and tissue amebicides.
- 2. Name any two luminal amebicide drugs which can be combined with tissue amebicides also.
- 3. What instructions would you advise to this patient regarding his alcohol intake during the treatment

#### Key:

a. Metronodazole 750mg TID for 10 days 2)

b. Tinidazole 2g Once for 3 days

a. Diloxanide furoate

(2)

b. Iodoquinol

3. Metronidazole has disulfiram like reactions with alcohol, so to avoid nausea & vomiting, etc alcohol intake should be stopped during this therapy.



# **Unobserved Station 1**

Marks: 05

allowed: 04 minutes

Time

# For Candidate:

#### Task NO 1:

Calculate the plasma half-life ( $t\frac{1}{2}$ ) of a drug when its volume of distribution (Vd) is 70L and its clearance (CI) is 3.5L/hour.

#### Key:

Plasma Half Life (t½) = 
$$\frac{0.693 \times Vd}{Cl}$$
 (2)

In this case Vd = 70L, while Cl = 3.5L/hr, so putting these values in the given formula

$$t\frac{1}{2} = \frac{0.693 \times 70}{3.5}$$

$$48.51 / 3.5 = 13.86 \text{ hr}$$

So plasma half-life of this drug is 13.86 hour (which is about 14 hr)

# For Candidate:

#### Task NO 2:

# Carefully read and answer the following question:

Write down prescription for acute pulmonary edema

#### Key:

R/

Doctor name: Dr ABC, MBBS

Mohafiz Town Lahore Phone No: 042-3456789

Patient Name: Mr. Abdullah Akhtar, Sex: male

Age: 20 year, Address: 123, A block, Delta Town, Lahore

1. Injection Furosemide 20 mg

2 ampules I/V stat Monitor out put Repeat 4 ampule I/V Monitor Na<sup>+</sup>,K<sup>+</sup> levels

2. Injection Morphine Sulphate 10mg S/C stat

(1/2)

Date 29-11-15

1/2)

(3)

Signature of Doctor
(1)

Registration No: P
- 0001

#### Task NO 6:

### Carefully read and answer the following question:

Write down a prescription for chloroquine resistant malaria

#### Key:

Doctor name: Dr Ahmad, MBBS 01-12-2015 (1/2) Awan Town Lahore Phone No: 042-3456789 Patient Name: Mr Rehan Akhtar, Sex: male (1/2) Age: 20 year, Address: 123, A block, Township, Lahore R/ Tab quinine sulphate 300mg (3) 2 tab 3 times a day for 3-5 days Cap doxycycline 100 mg 1 cap 2 times a day for 7 days Signature of Doctor (1) Registration No: P - 0001

### Task NO 4:

# Carefully read and answer the following question:

 $\sum d^2 = 288$ n = 9Calculate Standard Error of Mean (SEM)

#### Key:

Marks: 05

SEM = 
$$\sqrt{\Sigma d^2 / n (n-1)}$$
 (1)  
=  $\sqrt{288 / 9 (9-1)}$  (1)  
=  $\sqrt{288 / 9 (8)}$  (1)  
=  $\sqrt{288 / 72}$  (1)  
=  $\sqrt{4}$  (1/2)  
= 2 (1/2)  
Marks: 05  
Allowed: 04 minutes  
For Candidate:

#### 1 a 3 k 1 1 0 0 .

# Carefully read and answer the following question:

An 18 years old boy has H/O fever for last 10 days with abdominal discomfort and pain.

His temperature has risen in a step ladder pattern.he is diagnosed to be suffering from enteric fever .What treatment would you give to this patient

## Key:

R/

- Tab ciprofloxacin 500mg
   tab BD for ten days
- 2. Tab paracetamol 500 mg 1 tab TDS

#### For Candidate:

A 55 years old known hypertensive patient suffered from an attack of atrial fibrillation due to which he has now congestive heart failure

#### Task NO 9:

#### Carefully read and answer the following question:

- Name the P-drug which can be useful for both CCF and Atrial
   Fibrillation (01)
- What will be your choice if the patient is only suffering from CCF (without any Atrial Fibrillation)?
   1/2+1/2
- Name drugs / groups which are useful in decreasing mortality in CCF (02)
- 4. Which drug is useful in CCF but carry the increased risk of sudden death? (01)

#### Key:

P-drug for CCF with Atrial Fibrillation is Digoxin

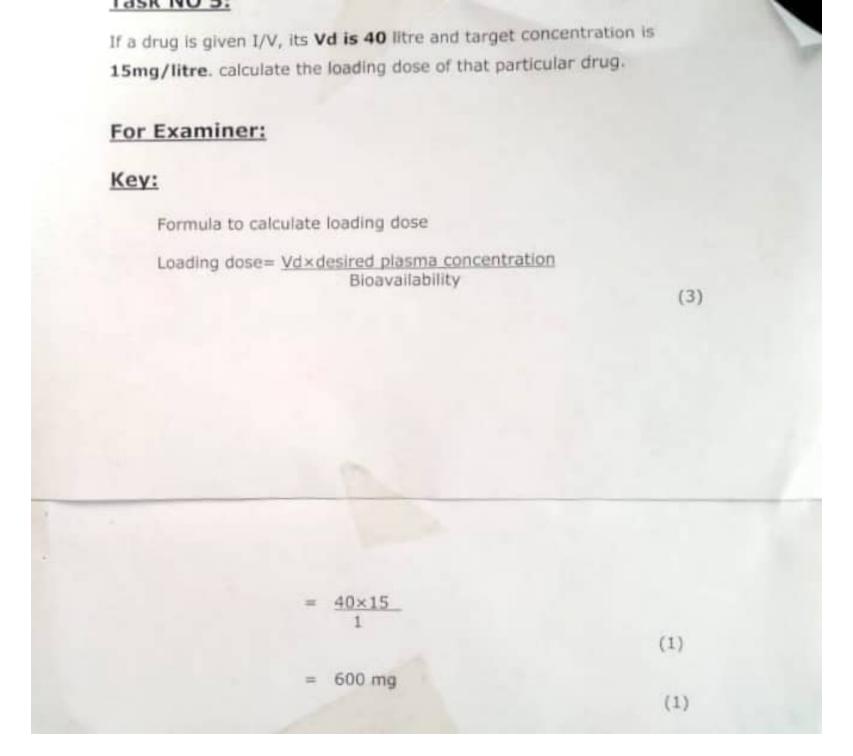
01

- 2. Other choice for CCF only:
  - a. Spironolactone (aldosterone antagonist),
  - b. Captopril (ACE inhibitor)

1/2 + 1/3

3. Other drugs / groups useful in decreasing mortality in CCF:

- a. Spironolactone,
- b. Captopril,
- c. Carvedilol,
- d. Isosorbide dinitriate
- 4. Drug useful in CCF but carry the increased risk of sudden death 1 2 X 4



## Task NO 7:

A 50 years old female comes to OPD with complaint of suffocating chest pain attacks which begins with exertion and disappears quickly after she stops work. A diagnosis of angina on effort is made.

# Carefully read and answer the following question:

1. What is P drug?

(2)

2. Why you prefer this drug in this scenario?

(1)

3. what various groups of drugs can be used in this patient.

(2)

#### Key:

- Tab nitroglycerine 5mg ,sublingual SOS
- 2. immediate relief of chest pain by sublingual route
- GROUPS.
  - a. calcium channel blockers
  - b. beta blockers