

# Practical synopsis Batch A

\* Required

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3. Following drug produce negative chronotropic and inotropic on frog's heart \*

*Mark only one oval.*

- Adrenaline  
 CaCl<sub>2</sub>  
 KCl  
 All of the above

4. The response proportional to the dose that lies between no response to maximum response is called \*

*Mark only one oval.*

- Quantal assay  
 Graded assay  
 Both of the above  
 None of the above

5. Bioassay is required when \*

*Mark only one oval.*

- No chemical assay method is available
- Sensitivity of chemical assay is poor
- When the drug compound is new
- All of the above

6. Drugs causing relaxation of muscles are called \*

*Mark only one oval.*

- Spasmolytics
- Spasmogens
- Spasmodics
- All of the above

7. Decrease in heart rate is called \*

*Mark only one oval.*

- Positive inotropic effect
- Positive chronotropic effect
- Negative inotropic effect
- Negative chronotropic effect

8. Following drugs produces positive chronotropic and inotropic effect \*

*Mark only one oval.*

- Adrenaline
- Atropine
- KCl
- All of the above

9. Following drug reduces the effect of ACh on chicken ileum \*

*Mark only one oval.*

- Atropine  
 Physostigmine  
 Adrenaline  
 All of the above

10. How many responses are taken after selecting the standard dose and test dose in 4 point assay method? \*

*Mark only one oval.*

- 16  
 36  
 9  
 None of the above

11. Which chemical is used to induce inflammation in animal paw? \*

*Mark only one oval.*

- Carragenan  
 Strychnine  
 Haloperidol  
 All of the above

12. Which muscle preparation can used for bioassay of oxytocin? \*

*Mark only one oval.*

- rat ileum
- rat fundus strip
- rat anococcygeus muscles
- rat uterine horn

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# Practical exam synopsis batch B (23/09/20)

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\_\_\_\_\_ is used to achieve the magnification of response in in-vitro pharmacological experiments

- Lever
- Organ bath
- Organ tube
- None of the above

Determining potency of drug by measuring its physiological effect on living tissue is called

- Chemical assay
- RIA
- ELISA
- Bioassay



Which muscle preparation can be used for bioassay of serotonin?

- Rat uterine horn muscles
- Rat anococcygeus muscles
- Rat fundus strip
- All of the above

Which drug produces negative inotropic and chronotropic effect?

- Acetylcholine
- Adrenaline
- CaCl<sub>2</sub>
- All of the above

The drugs which increases the outflow of urine is called

- Spasmolytics
- Spasmogens
- Diuretics
- None of the above

Which drugs are used in paralytic ileus and atony of bladder ?

- Spasmolytics
- Spasmogens
- Diuretics
- None of the above



Which chemical is used to induce inflammation in animal paw?

- Carragenan
- Strychnine
- Haloperidol
- All of the above

\_\_\_\_\_ indicates the affinity of the antagonist for its receptor.

- pA2 value
- pKa value
- pD2 value
- All of the above

Constriction of abdomen, twining of trunk and extension of hind limbs is characterized

- Seizures
- Depression
- Writhing
- All of the above



\_\_\_\_\_ are the substances which decreases pain sensation

- Diuretics
- Spasmogens
- Spasmolytics
- Analgesics

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# Practical exam synopsis batch C (21/09/20)

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Enrollment no \*

Your answer

Determining potency of drug by measuring its physiological effect on living tissue is called

- Chemical assay
- RIA
- ELISA
- Bioassay

Bioassay is required when

- No chemical assay method is available
- Sensitivity of chemical assay is poor
- When the drug compound is new
- All of the above



When the response is in the form of "all or none" it is called

- Graded assay
- Quantal assay
- Both of the above
- None of the above

When the test is changed until the same response as that of standard is achieved is called

- Matching method
- Bracketing method
- Both of them
- None of them

Increase in the force of contraction is called

- Positive inotropic effect
- Positive chronotropic effect
- Negative inotropic effect
- Negative chronotropic effect



Following drugs produces positive chronotropic and inotropic effect

- Adrenaline
- Atropine
- KCl
- All of the above

Following drug will potentiate the effect of ACh on frog rectus abdominis muscles

- Atropine
- Physostigmine
- Adrenaline
- All of the above

How many responses are taken after selecting the standard dose and test dose in 3 point assay method?

- 16
- 36
- 9
- None of the above



Which chemical is used to induce inflammation in animal paw?

- Carragenan
- Strychnine
- Haloperidol
- All of the above

\_\_\_\_\_ indicates the affinity of agonist for the receptor

- pA2 value
- pKa value
- pD2 value
- All of the above

\_\_\_\_\_ indicates the affinity of the antagonist for its receptor.

- pA2 value
- pKa value
- pD2 value
- All of the above

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