



# PME5-Summer-2016 Quiz (2)

Mark (out of 5)

Name: \_\_\_\_\_

Department of

Pharmacology & Toxicology ID #: \_\_\_\_\_

Mark (out of 5)

Choose the most suitable answer for the following statements and write down your chosen letters in the supplied table on the right.

- The following is true regarding UV-erythema model:
  - It is a screening method for analgesic activity.
  - It utilizes the painful effect of sun's short waves.
  - It is carried on elderly rabbits
  - It is used to screen anti-inflammatories.
- Calculating the amount of guinea pigs protected from an inflammation is a type of ....
  - initial screening
  - quantal assay
  - graded assay
  - b and c
- Paw edema in rats is used to quantify the ....
  - antiphlogistic effect of a drug
  - acute anti-inflammatory effect of a drug
  - chronic anti-inflammatory effect of a drug
  - b and c
- Acetic acid is used as .....
  - an inflammation in rat paw edema experiment.
  - an immune stimulant in adjuvant-induced arthritis experiment.
  - an irritant in induced writhing experiment.
  - an inhibitor of GABA metabolism PTZ-convulsions experiment.
- Morphine analgesic potential may best be quantified by ....
  - Randall-Selitto test.
  - phenylquinone-induced hyperalgesia test.
  - Maximal electric shock in mice test.
  - MPTP test
- Which of the following serves as an effective validation tool for picrotoxin-induced convulsions?
  - About 90% of the mice showed convulsions.
  - All mice receiving the convulsive dose showed significant seizures.
  - The number of convulsions/min is greater than 3 in all animals.
  - All animals remained in convulsions for 2 minutes.
- Maximal electric shock in mice is a model for ....
  - Grand mal epilepsy.
  - Petite mal epilepsy.
  - Absence seizures.
  - Status epilepticus.
- Amygdala kindling depends on ...
  - stimulating mice ears with electrodes for 30 seconds.
  - decreasing pain threshold in pain perception centers.
  - lowering the threshold for brain after-discharge.
  - increasing excitatory neurotransmitter level in brain.
- In pentylenetetrazole-induced convulsions model, the following may be measured EXCEPT ....
  - seizure severity score.
  - seizure duration.
  - number of seized animals.
  - seizure latency.
- The following regarding rotenone-induced Parkinson's is TRUE EXCEPT:
  - Rats or mice can be used but not rhesus monkeys.
  - A single subcutaneous dose of rotenone produce intense symptoms.
  - Rearing episodes are recorded.
  - The 10 minutes-locomotor activity is recorded.

1	d
2	b
3	d
4	c
5	a
6	a
7	a
8	c
9	b
10	b