B.V.Sc. & A.H. (Part – IV) Examination – 2016 of the Five-Year Degree Course

VETERINARY PHARMACOLOGY PAPER-II

Time: Three Hours	AREK-II
Section A: Veterinary Chemotherapy: VPT-411	Maximum Marks: 100
Toxicology: VPT-421	Marks 50
Instructions:	Marks 50
1) Attempt all questions 2) Answer of all months	
the question in questions is to be written	in the space provided at
3) Overwriting is not allowed in the objective	provided along with
g sale of each garactes has seemed in the objective	ve type question.
3) Overwriting is not allowed in the objective SECTION – A Veterinary Chemotherapy: VPT-411 Q.1 Fill in the blanks. i) is recognized ii) Miconazole and clotrimazole are	
Veterinary Chemotherapy: VPT-411	
2 Q.1 Fill in the blanks.	Maximum Marks 50
i i)	(10x0.75 = 7.5)
is recognized	as the Father of Chamas
dii) Miconazole and clotrimazole are	(tonical/evetamic)
imidazole derivative antifungal agents.	(copicansystemic)
iii) Levamisole in addition to the anthelmintics act	6.1 A
iv) For cleaning of the purplent and poolesting	activity.
or the paralent and pocketing wor	und, hydrogen peroxide solution is
used having a concentration of	%.
v) Chloramphenicol exhibits its antibacterial action	on through the inhibition of
and the state of t	ribosomal subunit.
vi) is the ar	
vi)is the ar	thelmintic which possesses
exceptionally high activity against immature st	ages of flukes.
vii) The metabolite of phenothiazine causing photo	
The includence of phenodinazine causing photo	sensitization is
viii) Sulfonamides exert the antibacterial action by	inhibiting the
	SMIXING E
enzyme	
ix) The primary site of action of avermectins in ne	matodes is
VPT-II/25/S1/4 th yr/2016/M A	Page 3 of
11-11/25/51/4 YI/2010/NI A	rage 5 of

	Please write Roll No. above this line	_	
,)is a benzimidazole anthe	lmintic	which
	is exclusively used as fascioliocide for cattle, sheep, goats etc.		
Q	.2 Choose the most suitable answer and write the number of the c 1 or 2 or 3 or 4 in the space given against each sub question:	orrect a	inswer 5 = 7.5)
i)	Natural source of amphotericin B is:	()
	1. Streptomyces aureofaciencs	estati	
	2. Streptomyces nodosus		
	3. Streptomyces erythreus		
i)	4. Streptomyces venezuelse		
'	Bone marrow suppressant activity of chloramphenicol occurs du	e to:	
	1. Amino group	()
	2. Alcoholic group		
	3. Para-nitro group		
	4. Lactam ring		
)	Use of fluoroquinolones is not recommended in young and grow		
	following:	ing due	to the
	Idiosyncratic aplastic anaemia	()
	2. Hepatotoxicity		
	3. Renal toxicity		
	4. Arthropathic lesions		
	Sulphonamide is combined with trimethoprim in the ratio of:		
	1. 1:5.	()
	2. 5:1.		
	3. 1:3.		
	4, 3:1.		
	Which of the following inhibits lanosterol 14-α demethylase:		
	1. Amphotericin B.	()
	2. Ketoconazole.		HOLD, AN
	3. Griseofulvin.		
	4. Flucyosin.		
p	I.		
D	leomycin acts onphase of cell cycle:	(
	1. 5.	-)
	2. G2.		
	3. G1.		
	4. M.		
W	nich of the following cephalosporin is excreted through bile: 1. Cefepime.		
	1. Cefepime.	(1
	2. Cefoperazone.	,	,
	3. Cefixime.		
	4. Ceftiazoxome.		

iii

iv)

v)

vi)

vii)

	Please write Roll No. above this line
viii)	The concept of chemotherapy was started with the use of: 1. Sulphonamide. 2. Penicilli.
	1. Sulphone was started with the
1	2. Penicillin.
20	3. Protonsil dye.
	4. Bacitracin.
ix)	4. Bacitracin. One unit of penicillin is the specific activity contained inof penicillin G sodium: 1. 0.5 µg.
	sodium:
1	1 0.5
1	1. 0.5 µg.
i	
(x d	4. 0.8 μg.
X)	Nitrofurantoin is most effective as urinary antiseptic when pH of the urinary
	tract is:
	2. 5.5 or less
	3. Over 9.5
	4. Between 6 and 7.
Q.3 A	attempt any <u>ten</u> out of the following twelve questions. Answer of each
q	uestion should be in 2 to 3 lines.
	(10x1.5= 15)
i)	Define post-antibiotic effect.
	Post andolotic effect.
ii)	Why alkalization reduces risk of sulphonamide-induced nephrotoxicity?
****	Write down the function of B subunit of DNA gyrase
111) V	Write down the function of B subulified Divis gyrase
	Page 5 of

	Please write Roll No. above this line	
	iv) How does sulphonamide affect egg production in poultry?	
	O a Change to a growth of the change of the	
	v) Explain the mechanism of action of griseofulvin.	
	Charles of the order objects partie a control broad of	
	vi) Tetracycline should not be used in rapid i.v. infusion. Justify.	1 7 1
	(101,5=15) (101,5=15) (101,5=15)	uzra no
vii)	What is superinfection?	
9)		
iii) l	Explain the mechanism of action of benzimidazole.	ofmile y
-	the limited of B straight of the special states	

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ix) Define MIC.
x) Describe the mechanism of action of vincristine.
xi) An ideal antifungal agent should also possess keratolytic property.EXPLAIN:
xii) Enumerate the adverse effects of anticancer therapy.
Write down the mechanism of action of hetoconazole:
4 Attempt any two out of the following three questions. Answer of each $(2x5 = 10)$
4 Attempt any two out of the following time (2x5 = 10) question should be in 5 to 8 lines.
que de la companya de
Explain the mechanism of sequential blockade.
Explain the mechanism
7.51

A

i)

VPT-II/25/S1/4th yr/2016/M

	(1)	Explain the machanism of action of G
	11)	Explain the mechanism of action of fluroquinolone.
	-	
	-	
	-	
:::>	337	its days that I have been seen as a second s
ш)	**	rite down the mechanism of action of ketoconazole.
-		
		(2.5)
		Control of the last of the las
-		
ידע	TT	5/S1/4th - 1994 5
-		7/S1/4 th /2016B

- i) What are properties of aminoglycosides? Explain the mechanism of action and toxicity/side effects of aminoglycosides.

 ii) Classify the antibacterial appears by the antibacterial appears
- ii) Classify the antibacterial agents based on their mechanism of action with atleast two suitable examples of each. Describe in details the mechanism of action, clinical indication and toxicity of sulfonamides.

SECTION - B

Veterinary Toxicology: VPT-421 Ma	ximum Marks 50
Q.6 Fill in the blanks.	(10x0.75 = 7.4)
i) Typical mousy odour in urine is an indicative of	poisonir
ii) The active moiety of zinc phosphide responsible for toxic	ity is
iii) Antidote of iron toxicity is	
iv) Rice water diarrhoea is commonly encountered in	
poisoning in cattle.	
A CONTRACTOR OF THE CONTRACTOR	
v)is recognized as Father of M	Modern Toxicolog
vi) The neoplastic factor in bracken fern is termed as	
vii)cause drowning of anii	mal in its own flui
viii)Fluroacetate acts by inhibiting enzyme in	cellular recoiest
ix) Phossy jaw is a characteristic of	rechular respirau
x) The ideal ratio of connect to1.1.1	poisonin
x) The ideal ratio of copper to molybdenum is	
Q.7 Choose the most suitable answer and write the number of	the correct answ
1 or 2 or 3 or 4 in the space given against each sub question	n: $(10x0.75 = 7)$
Paralysis of recurrent laryngeal nerve in horse is associated Cadmium possoning	I mist.
1. Cadmain poisoning	with: (
2. Arsenic poisoning	
3. Lead poisoning	
4. Copper poisoning	
ii) Following is an obligate accumulator of selenium:	(
1. Aster	
Astragalux Barley	
4. Atriplex	
iii) Ritter almond amall :	
iii) Bitter almond smell is seen in case of: 1. Arsenic poisoning	(
2 Nitrata poisoning	
Nitrate poisoning Cyanide poisoning	
4. None of the above	
iv) Kaper courses and it is the	
iv) Kaner causes cardiotoxicity by inhibiting the enzyme:	(
1 Identify Cyclase	,
2. Na ⁺ -K ⁺ -ATPase	
3. Phospholipase C	
4. PhospholipaseA	

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		this line

ii) ANTU is more toxic when given in fu	ll stomach in do	ogswhy?
		And and annual a
iii) Excess methylene blue is harmful in ni	itrite toxicity.	2. Manuag togally 3. Lead toxicity 4. Copper toxicity
		adinfayers .
Why melathion is less toxic to mamma	ls compared to	insects?
	liw name et com	Typical 'suo korre' post
Differentiate between Type-I and Type-their mechanism of action.	II synthetic py	rethroids on basis of
		All Clarino
		4. Nicocinic.
Define developmental toxicology.		fempt my <u>len</u> out of the critisn should be in 3 to
		Tours description and the second
	Why melathion is less toxic to mamma Differentiate between Type-I and Type- their mechanism of action.	Differentiate between Type-I and Type-II synthetic py their mechanism of action.

Contraction of the Contraction o	Please write Roll No. above this line
lo lo	vii) Explain lethal synthesis with suitable example.
v	iii) Define MRL.
i	x) Write down the composition of universal antidote.
	The state of an include.
x)	Justify the rationale use of Vit-K1 in warfarin toxicity.
	() Englain barrari grac crists in abrosp.
xi)	What do you mean by Blind staggers.

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xii) Define the term poison.	
Q.9 Attempt any two out of the following three question should be in 5 to 8 lines. i) Discuss the mechanism of toxicity of organoches.	(2x5 = 10)
- Discuss the inculantation toxicity of organical	uorine.
The last on Topician applicant	Way broad and a state of mot
ii) Explain haemolytic crisis in sheep.	
313	What do you mean by Mind east

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-	W. W. J. A. S. J.	
i	ii) Write down the rationale of treatment of cyanide toxicity.	
-		
10	Answer the following question in 1-2 pages (attempt any one). (1x10 = 1
	Write down the mechanism of toxicity, clinical sign and to	
	toxicity.	(4+3+3)
ii)	What is photosensitization? Discuss mechanism of diff	ferent types
	photosensitization with suitable examples. Describe the	e treatment
	photosensitization.	(2+5+3)

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