# I.F.S. EXAM-2016

#### ANIMAL HUSBANDRY AND VETERINARY SCIENCE

#### PAPER—II

Time Allowed: Three Hours

Maximum Marks: 200

#### QUESTION PAPER SPECIFIC INSTRUCTIONS

# Please read each of the following instructions carefully before attempting questions

There are EIGHT questions in all, out of which FIVE are to be attempted.

Question Nos. 1 and 5 are compulsory. Out of the remaining SIX questions, THREE are to be attempted selecting at least ONE question from each of the two Sections A and B.

Attempts of questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.

All questions carry equal marks. The number of marks carried by a question/part is indicated against it.

Answers must be written in ENGLISH only.

Neat sketches may be drawn, wherever required.

## SECTION-A

1.	Wri	te short notes on the following :	8×5=40
	(a)	Socioeconomic impact of zoonotic diseases	
	(b)	Management of bovine lactation tetany	
	(c)	Difference between scanning and transmission electron microscopy, their applications in histopathology	and
	(d)	Acute phase proteins and their role in disease	
	(e)	Japanese encephalitis and its impact on human health	
2.	(a)	Explain why many drugs exhibit volumes of distribution far in excess total body water.	s of 15
	(b)	How are autacoids different from traditional hormones? Write about pharmacological role of lipid-derived autacoids.	the
	(c)	Explain the reasons why the fluoroquinolones are widely used as a microbials.	nti- 10
3.	(a)	What is the structure and function of respiratory membrane? Exposygen-haemoglobin dissociation curve in gaseous exchange of pulmon system.	
	(b)	"Kidney is the third line of defense for acid-base balance in the bod Justify.	dy." 15
	(c)	CNS ischemic response is called 'last ditch stand' pressure con mechanism of BP regulation. Explain.	trol 10
4.	(a)	What are emerging and reemerging zoonoses? Explain the challenges opportunities in their prevention and control.	and 15
	(b)	How are observational studies useful in epidemiological investigati Explain their application in the study of chronic/neoplastic diseases.	on? 15
	(c)	What is eutrophication of lakes and how does it affect the terrestraquatic animal health?	ial/ 10

### SECTION-B

5.	Writ	te short notes on the following:	8×5=40
	(a)	Wholesome meat production and the role of public health veterinarian	1
	(b)	Materials and methods for collection of samples for veterolegal investigat	ion
	(c)	Zero disease concept and chemoprophylaxis	
	(d)	Organ products for food and pharmaceuticals	
r	(e)	Role of information and communication technologies (ICTs) in livest development	ock
6.	(a)	Give a brief summary of necessary permissions and standards to be a while processing of market milk in a dairy processing plant with a capa of 1000 litres/day.	
	(b)	Furnish the operational control of HTST pasteurization system.	15
	(c)	What is homogenization? Explain it with the help of recent theory homogenization.	of 10
7.	(a)	Detail the effects of pH on the quality and shelf life of meat and m products.	eat 15
	(b)	What is curing? How does it protect spoilage of meats, specially pork	? 15
	(c)	What are the recent developments in the preparation of processed mproducts?	ieat 10
8.	(a)	What are the approaches to strengthen Research-Extension-Farmer-Mar	-lzot
о.	(u)	(REFM) linkages?	15
	(b)	The Zooming In, Zooming Out (ZIZO) method of involving farmers is need of the hour for successful transfer of technology in rural IncCritically evaluate the statement.	
	(c)	What are the salient features of recently launched 'National Livest Mission' by the Government of India?	ock 10

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