Question Booklet Alpha Code





Total Number of Questions: 100 Time: 75 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. A, B, C & D.
- The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- Each question is provided with four choices (A), (B), (C) and (D) having one correct answer.
 Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A -2-

1.	A male fowl under one year age is called			
	A) Cockerel	B)	Cock	
	C) Capon	D)	Rooster	
2.	Which of the following statement is/are corn i. First candling is done on 7 th day to disc ii. Second candling is done on 18 th day to	ard	dead in shell.	
	iii. Candling is done in a dark room.	D)		
	A) Only (i) is correct	•	Only (i) and (ii) are correct	
	C) All (i), (ii) and (iii) are correct	D)	Only (iii) is correct	
3. Scientific name of Turkey				
	A) Numida meleagris	B)	Meleagris gallopavo	
	C) Anas platyrhynchos	D)	Pavo cristatus	
4. Best layer breed of poultry in the world				
	A) New Hampshire	B)	Plymouth Rock	
	C) White Leghorn	D)	Rhode Island Red	
5.	Group of duck is called			
	A) Raft	B)	Band	
	C) Stock	D)	Herd	
6.	Which of the following is the best method of	of se	exing ?	
	A) Vent sexing	B)	Auto sexing	
	C) Protoscope method	D)	All of the above	
7.	By-product of cheese is			
	A) Buttermilk B) Skim milk	C)	Whey D) Butter oil	
8.	Average lactose content of cow milk			
	A) 4.5%	B)	5.2%	
	C) 4.8%	D)	3.8%	

9.	9. Light requirement of laying hen for optimum egg production					
	A) 10 Hours	B)	23 Hours			
	C) 18 Hours	D)	16 Hours			
10.	Incubation period of Musc	ovy duck egg is	days.			
	A) 28	B)	21			
	C) 35	D)	37			
11.	Hormone responsible for b	proodiness of poultry	,			
	A) Vasotocin	B)	B) Oxytocin			
	C) Prolactin	D)	D) Growth hormone			
12.	Egg yolk, shell membrane	and shell of chicker	eggs respectivel	y secreted by		
	A) Ovary, magnum, isthm	us B)	B) Infundibulum, isthmus, uterus			
	C) Ovary, isthmus, uterus	D)	D) Infundibulum, magnum, uterus			
13.	Which of the following is n	ot included in Englis	h class of poultry	?		
	A) Cornish	B)	Austalorp			
	C) Plymouth Rock	D)	Sussex			
14.	Nutritional encephalo mala	acia in poultry is cau	sed by			
	A) Vitamin E	B)	Vitamin B ₁			
	C) Biotin	D)	Vitamin B ₂			
15.	Penis of the fowl is called					
	A) Loaffer B) S	Spur C)	Phalus	D) Phalanges		
16.	Which of the following state i. It consist of two chamb		out digestive syst	em of poultry?		
	ii. Crop is the enlargemen	nt of proventriculus v	vhich temporarily	store food.		
	iii. Gizzard is also known	•				
	A) (i) is correct		(iii) is correct	•		
	C) (ii) is correct	•	All are correct			
		,				

17.	17. Per capita availability of eggs per year in India on the year 2019			
	A) 79	B) 63		
	C) 47	D) 35		
18.	System of feeding most commonly practic	ced in layers		
	A) Controlled feeding	B) Ad-libitum feeding		
	C) Phase feeding	D) Restricted feeding		
19.	Pick up the incorrect statements.			
	i. Contour feathers are large feathers pr	resent on the body.		
	ii. Filo plumes are small down feathers v	which help to retain body temperature.		
	iii. Plumules are intermediate type of fea	thers.		
	A) (i) and (ii) are incorrect	B) (i) and (iii) are incorrect		
	C) (ii) and (iii) are incorrect	D) All are incorrect		
20.	Which of the following is incorrectly match	hed?		
	A) Pullorum disease – Salmone	ella pullorum		
	B) Sawhorse - Clostridi	um tetani		
	C) Diamond skin disease - Erysepe	lothrix rhusiopathiae		
	D) Foot and mouth disease - Paramix	o virus		
21.	Act of mating in pig			
	A) Coupling	B) Tupping		
	C) Serving	D) Farrowing		
22.	Farming in which 50% or more income is agriculture is	generated from livestock and the rest from		
	A) Diversified farming	B) Mixed farming		
	C) Specialized farming	D) Integrated farming		
23.	Select draught purpose breed.			
	A) Kangayam	B) Kankrej		
	C) Hariana	D) Tharparker		
Α	_	-5-		

24.	leaviest Indian breed of buffalo with heavy horns, inclined to droop at each side of ne neck and then turn up				
	A) Mehsana	B) Surti	C) Nili ravi	D) Jaffarabadi	
25.	Breed of pig with blac dished face and erect	•	nts on feet, nose and t	ail, short head with	
	A) Berkshire	B) Hampshire	C) Yorkshire	D) Hereford	
26.	The drugs that used t	o control ferocious ar	nimal is called		
	A) Narcotics	B) Tranquilizers	C) Both	D) None	
27.	Dual purpose cross be developed by Bangal			ng plumage colour	
	A) Athulya	B) Giriraja	C) Gramapriya	D) Austo-white	
28.	Which of the following instrument?	ng instrument is/are	an example for whol	e body restraining	
	A) Trevis	B) Squeeze cage	C) All	D) None	
29.	is a meth imprinted on skin insi-		lab animals where nu	mber or letters are	
	A) Tattooing	B) Tagging	C) Branding	D) Ear notching	
30.	Number of incisor tee	th in upper jaw of cat	ttle at 2 years of age		
	A) Zero	B) Three	C) Four	D) Six	
31.	Biconcave shaped re-	d blood cells seen in			
	A) Cattle		B) Goat		
	C) Both (A) and (B)		D) None of the above	re .	
32.	Exotic breed of cattle	with double dished for	orehead		
	A) Holstein Frisian	B) Brown Swiss	C) Jersey	D) Red Dane	
33.	The major protein in t	he milk			
	A) Lactalbumin	B) Lactoglobulin	C) Casein	D) Collagen	

34.	Find the odd one out. A) Scapula		C)	Llina	D)	Tibia
	A) Scapula	b) Humerus	0)	Ollia	U)	Пыа
35.	Which of the following	g organ is fou	nd in abdon	ninal cavity of catt	le?	
	A) Genital organs		B)	Urinary bladder		
	C) Rectum		D)	Kidney		
36.	Gestation period of p	ig is	days.			
	A) 115	B) 150	C)	60	D)	90
37.	Rumen pH in a healtl	nv cattle lies b	etween			
	A) 7.1 – 7.6	,		5.8 – 6.8		
	C) 4.8 – 5.8		,	None of the abov	⁄e	
20	The voice of fewlie n	raduand in				
38.	The voice of fowl is p A) Trachea	roduced in	D)	Air ooo		
	C) Upper larynx		,	Air sac Syrinx		
	C) Opper larytix		D)	Syllix		
39.	Name the only gland	present in the	e fowl.			
	A) Uropygeal gland		B)	Preen gland		
	C) Oil gland		D)	All of the above		
40.	Which compartment	of stomach is	situated an	teriorly just behind	d the	e diaphragm of
	cattle ?		D)	Reticulum		
	A) RumenC) Omasum		,	Abomasum		
	O) Omasum		D)	Abomasum		
41.	End product of carbo	hydrate metal	oolism in rui	minants		
	A) Propionic acid			Butyric acid		
	C) Glucose		D)	Both (A) and (B)		
42.	Enterotoxaemia in go	at/sheep is ca	aused by			
	A) Clostridium tetani		B)	Clostridium perfr	inge	es
	C) Clostridium novyi		D)	All of the above		
Α			-7-			

43.	43. Steps which is not associated with ETT						
	A) Identification and	storage of embryo					
	B) Super ovulation a	nd oestrus synchroniz	zatio	on			
	C) Insemination of do	onor					
	D) Insemination of recipient						
44.	How many lobes are	present in liver of bird	ds ?				
	A) 4	B) 3	C)	5	D) 2		
45.	The best crop for sila	ge making is					
	A) Maize		B)	Lucerne			
	C) Berseem		D)	All of the above			
46.	Piglet anemia is caus	ed by deficiency of					
	A) Copper		B)	Iron			
	C) Cobalt		D)	None of the abov	e		
	,						
47.	is a disease resistant bree internal organs.			poultry with inter	ise black coloured		
	A) Aseel	B) Kalamasi	C)	Ancuna	D) Bursa		
48.	Highest quality bacor	obtained from which	of t	the following?			
	A) Berkshire	B) Hampshire	C)	Yorkshire	D) Landrace		
49.	Name Jersey of goat	breeds.					
	A) Beetal	B) Jamunapari	C)	Surti	D) Saanen		
50.	Diluent used in frozer	n bull semen producti	on				
	A) EYC	р		Tris glycerol			
	C) CME		•	EYSGM			
F-4	\\/\laigh_af_the_fall_coving	n in mak ant an ancier	of "	watain fay animal f	anda O		
51.	Which of the following	g is not act as source	•		eeas ?		
	A) Meal scrap		,	Blood meal			
_	C) Dried tapioca		ט)	Coconut cake			
Α		-8	-				

52.	52. Deficiency of Vitamin K may occurs due to				
	A) Dicumarol				
	B) Feeding of spoiled sweet clover for	orage			
	C) Intestinal parasitic infection like cod	occidian, capillaria			
	D) All of the above				
53.	Restriction of % of feed is a	allowed in egg type of growers.			
	A) 20 – 22	B) 7-8			
	C) 10 – 12	D) 13 – 15			
54.	Which of the following is not a non-nut	tritive feed additive ?			
	A) Feed enzymes	B) Antioxidants			
	C) Toxic binders	D) Vitamin premix			
55.	According to PFA and BIS standards,	standardized milk must contain			
	A) 4.5% fat, 8.5% SNF	B) 4.5% fat, 9% SNF			
	C) 3.5% fat, 8.5% SNF	D) 3.5% fat, 9% SNF			
56.	Biological value of milk is				
	A) 80% B) 90%	C) 100% D) 70%			
57.	Which of the following statement is/are	re false ?			
	 i. In sterilization of milk all the micro- destroyed. 	-organisms, spores and vegetative forms are			
	ii. Vacreation is a method of sterilizat	tion.			
	iii. Sterilized milk can be kept at room	n temperature for less than 15 days.			
	A) Statement (i) is false	B) Statement (ii) is false			
	C) Statement (iii) is false	D) (i), (ii), (iii) are false			
58.	Normal specific gravity of milk at 29°C	Cis			
	A) 1.28 – 1.35	B) 1.028 – 1.035			
	C) 1.0028 – 1.0035	D) None of the above			
Α		-9-			

59. Mating of local non-descript cows with bulls of a well-defined Indian breed is called								
	A) Out crossing		B)	Cross breeding				
	C) Grading up		D)	Line breeding				
60.	The selection of males for	r sex limited traits	car	n be done by				
	A) Progeny testing			Individual selection	on			
	C) Pedigree selection		D)	Random selection	n			
61.	Half-life of oxytocin is							
	A) 1 – 2 min B)	25 – 30 min	C)	15 – 20 min	D) 5 – 7 min			
62.	Specific gravity of milk ca	n be rises due to						
	A) Addition of water			Addition of skim r	nilk			
	C) Removal of fat		D)	Both (B) and (C)				
63.	CMT is the test used to detect							
	A) Efficacy of pasteurization			B) Efficacy of sterilization				
	C) Subclinical mastitis		D)	Efficacy of homog	genization			
64.	Combined operation of p cheese making is called	acking, turning, p	oilin	g and re-piling of	the curd cubes in			
	A) Rennetting B)	Hooping	C)	Curing	D) Cheddaring			
65.	Starter cultures commonly	y used for making	ch	eese is/are				
	A) Streptococcus lactis							
	B) Streptococcus cremor	ris						
	C) Both (A) and (B)							
	D) None of the above							
66.	Ghee can be prepared by	,						
	A) Creamery butter method	od	B) Country method					
	C) Desi method		D)	All of the above				

67.	'. Which of the following is not a step in ice-cream making?					
	A) Homogenization	B)	Freezing			
	C) Aging	D)	Rennetting			
68.	Volume of ice-cream obtained in excess of	the	volume of the mix is called			
	A) Whipping capacity	B)	Overrun			
	C) Overturn	D)	Skimming efficiency			
69.	Coffee cream is the cream which contain _		% of fat.			
	A) 20 – 25	B)	30 – 40			
	C) 65 – 85	D)	10 – 15			
70.	Breakdown of fat globules in milk into mucemulsion is called	ch s	smaller particle to create a stable fat			
	A) Centrifugation	B)	Homogenization			
	C) Pasteurization	D)	Neutralization			
71.	Testosterone is secreted by					
	A) Leydig cells	B)	Sertoli cells			
	C) Parietal cells	D)	Goblet cells			
72.	Final maturation of spermatozoa occur in					
	A) Vas deferens	B)	Rete testis			
	C) Epididymis	D)	Ampulla			
73.	Ideal stocking density of earthworm for verr litre of waste.	ni-c	omposting is earthworm per			
	A) 100	B)	150			
	C) 200	D)	250			
74.	Gases produced in a biogas plant					
	A) Methane	B)	Carbon dioxide			
	C) Hydrogen sulfide	D)	All of the above			

75.	is a leguminous fodder with high protein content and preferred in association with non-leguminous fodder, belongs to Papilionaceae family.				
	A) Oats	B) Berseem			
	C) Guinea grass	D) Cow pea			
76.	Which of the following cause hydrocyanic a	cid poisoning?			
	A) Rubber tree leaves	B) Tapioca leaves			
	C) Bamboo shoot	D) All of the above			
77.	Common blood fluke ruminants				
	A) Schistosomes	B) Amphistomes			
	C) Paramphistomum	D) Paragonimus			
78.	8. Dung will be hard and shining, animal may lick or chew the wall, rope etc., graduloss of appetite and refusal of grain are symptoms of which of the following disea in cattle?				
	A) Ketosis				
	B) Parturient paresis				
	C) Milk fever				
	D) Both (B) and (C)				
79.	Read the statements about diseases.				
	I. Oozing of dark tarry blood from natural	orifice of the body is seen in anthrax.			
	II. Hemorrhagic septicemia is caused by F	Pasteurella multocida.			
	III. In cattle abortion may occur at first trime	ester of pregnancy due to Brucellosis.			
	A) Statement I and II are correct				
	B) Statement II and III are correct				
	C) Statement I and III are correct				
	D) All statements are correct				

80.	Which of the following is not a fermented product?						
	A) Cheese	B)	Khoa				
	C) Paneer	D)	Both (B) and (C)				
81.	FMD occurs in						
	A) Cloven footed animals						
	B) Odd footed animals						
	C) Both						
	D) None						
82.	Needle tooth/black tooth is usually seen in						
	A) Piglet	B)	Puppy				
	C) Calf	D)	Kids				
83.	Avian influenza is also known as						
	A) Fowl cholera	B)	Fowl plague				
	C) Both	D)	None				
84.	Examples for organophosphate pesticides	is					
	A) Dichlorvos	B)	BHC				
	C) Malathione	D)	Both (A) and (C)				
85.	Concentrate to roughage ratio in TMR feed	is					
	A) 55:45	B)	45 : 55				
	C) 35:45	D)	45 : 35				
86.	A hormone namely is produced which inhibit GnRH production.	by	pineal gland in the absence of light				
	A) Vasotocin	B)	Melatonin				
	C) Inhibin	D)	None of the above				

A -13-

87.		rmal body tempera 100°F		e of cow is 101.5°F	C)	102.5°F	D)	103.5°F
88.		sic milk producing	unit	in udder is				
	•	Alveoli			•	Gland cistern		
	C)	Teat cistern			D)	None of the abov	e	
89.	Sta	ndard lactation pe	riod	of cattle is				
	A)	285 days			B)	295 days		
	C)	305 days			D)	365 days		
90.	Coi	ndition in which the	e an	imal is unable to	repr	oduce permanent	ly is	called
	A)	Sterility			B)	Infertility		
	C)	Both (A) and (B)			D)	None of the abov	'e	
91.	Fur	nctions of placenta	inc	ludes				
	A)	Nutritive			B)	Excretory		
	C)	Endocrine			D)	All of the above		
92.	Sel	ect egg purpose b	ree	d of duck.				
	A)	Indian runner			B)	White Pekin		
	C)	Muscovy			D)	Aylesburry		
93.	Мо	st toxic aflatoxin is						
	A)	G1			B)	G2		
	C)	B1			D)	B2		
94.	Zor	nary placentation s	eer	ı in				
	A)	Dog						
	B)	Mare						
	C)	Both (A) and (B)						
	D)	None						

95.	Normal concentration spermatozoa per ml of bulls semen is			
	A) 2500 - 3500 sperms			
	B) 300 – 2500 sperms			
	C) 30 – 300 sperms			
	D) None of the above			
96.	Weight of quail egg is			
	A) 8 – 10 g	B)	15 – 20 g	
	C) 20 – 25 g	D)	25 – 30 g	
97.	Mating method in poultry where male and f	ing method in poultry where male and female are kept separately		
	A) Stud mating	B)	Pen mating	
	C) Flock mating	D)	All of the above	
98.	hich of the following animal has maximum pulse rate?			
	A) Horse	B)	Pig	
	C) Cattle	D)	Dog	
99.	ne optimum FCR for a profitable broiler farm should be between			
	A) 1.8 – 2.0	B)	2.0 - 2.2	
	C) 2.2 – 2.4	D)	2.4 – 2.5	
100.	Accessory sex gland which produce mucus	essory sex gland which produce mucus like secretion in bull		
	A) Prostate glands			
	B) Cowper's gland			
	C) Seminal vesicles			
	D) All of the above			
			and the second s	

Space for Rough Work

A -16-