

EXAMINATION - POSTAL EXAMINATION - Veterinary Medical Services - DISTRICTS - etc

**मध्यप्रदेश लोक सेवा आयोग**

**रेसीडेन्सी एरिया**

**इन्दौर**

क्रमांक : 8.66./69/2011/प-9

इन्दौर, दिनांक- 21.10.16

**-:: विज्ञापित ::-**

पशु चिकित्सा सहायक शल्यज्ञ परीक्षा-2016 के संदर्भ में आयोग द्वारा जारी विज्ञापित क्रमांक 758/69/2011/प.-9 दिनांक 25.09.2016 के अंतर्गत प्रावधिक उत्तर कुंजी परीक्षा परिणाम बनाने के पूर्व आयोग की वेबसाइट पर दिनांक-25.09.2016 को प्रकाशित की गई थी। अभ्यर्थियों से प्राप्त ऑनलाईन अभ्यावेदनों का विषय विशेषज्ञों द्वारा परीक्षण किया गया तथा समस्त ऑनलाईन आपत्तियों का सूक्ष्म परीक्षण करने के पश्चात अनुशंसित संशोधित उत्तर कुंजी बनाई गई है। यह अंतिम उत्तर कुंजी है। इस उत्तर कुंजी के आधार पर परीक्षा परिणाम तैयार किया जा रहा है। अब किसी अभ्यावेदन पर विचार नहीं किया जायेगा। अभ्यर्थी आयोग की वेबसाइट पर अपना रोल नंबर एवं प्रवेश पत्र पर दिये गये पासवर्ड की सहायता से लॉग-इन कर अपनी रिस्पांस शीट का अवलोकन कर सकते हैं। यह विज्ञापित आयोग की वेबसाइट [www.mppsc.nic.in](http://www.mppsc.nic.in), [www.mppsc.com](http://www.mppsc.com) & [www.mppscdemo.in](http://www.mppscdemo.in) पर दिनांक 21.10.2016 से उपलब्ध है।



(डॉ. आर.आर. कान्हेरे)  
परीक्षा नियंत्रक

# Veterinary Assistant Surgeon Exam – 2016

## Veterinary Science

### (Final Model Answer Key)

Q.No: 1	<b>Succulent feeds usually contain moisture ranging from</b>
A	<b>60 to 90%</b>
B	<b>50 to 60%</b>
C	<b>40 to 45%</b>
D	<b>45 to 50%</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 2	<b>Most suitable fodder crop for leguminous hay making is</b>
A	<b>Barseem</b>
B	<b>Lucerne</b>
C	<b>Cow pea</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 3	<b>The Protein digestibility of wheat straw is approximately</b>
A	<b>0.5%</b>
B	<b>0.0%</b>
C	<b>1%</b>
D	<b>2%</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 4	<b>The quality of straw can be Improved by</b>
A	<b>Alkali Treatment</b>
B	<b>Urea Treatment</b>
C	<b>Silage making with succulent fodders</b>
D	<b>All of these</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 5	<b>Goitrogens are usually found in which of the following feed ingredient</b>
A	<b>Groundnut Cake</b>
B	<b>Soybean Cake</b>
C	<b>Mustard Cake</b>
D	<b>All of these</b>
<b>Question Deleted</b>	

Q.No: 6	<b>The Water intake of an adult cattle for every kg of dry matter intake is</b>
A	<b>2-3 litre</b>
B	<b>3-5 litre</b>
C	<b>6-7 litre</b>
D	<b>More than 7 litre</b>
<b>Question Deleted</b>	

Q.No: 7	<b>More than 50% of energy value of the diet is provided by the</b>
A	<b>Carbohydrates</b>
B	<b>Fat</b>
C	<b>Protein</b>
D	<b>None of the above</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 8	<b>Which one of the following domestic animal has lowest capacity of crude fiber digestibility</b>
A	<b>ruminants</b>
B	<b>horse</b>
C	<b>Pig</b>
D	<b>Dog</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 9	<b>The method of the protecting protein from ruminal degradation is</b>
A	<b>Heat Treatment</b>
B	<b>use of amino acid analogues</b>
C	<b>Encapsulation of amino acids</b>
D	<b>All of these</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 10	<b>Protein supplement contains</b>
A	<b>Less than 18% crude protein and more than 20% crude fiber</b>
B	<b>More than 20% Crude protein and less than 18% crude fiber</b>
C	<b>Less than 20% crude protein and less than 18% crude fiber</b>
D	<b>More than 20% Crude protein and More than 18% crude fiber</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 11	<b>Roughage Contains how much crude fiber?</b>
A	<b>Less than 15%</b>
B	<b>Less than 18%</b>
C	<b>More than 20%</b>
D	<b>More than 18%</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 12	<b>Encephalomalacia in chick is caused by</b>
A	<b>Vit E deficiency</b>
B	<b>Avian encephalomyelitis virus</b>
C	<b>Vit B1 Deficiency</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 13	<b>Roan coat colour in short horned castle is an example of which type if gene action</b>
A	<b>Dominance</b>
B	<b>Co-dominance</b>
C	<b>Recessive</b>
D	<b>None of the above</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 14	<b>The father of animal breeding is</b>
A	<b>Bateson</b>
B	<b>Charles Darwin</b>
C	<b>Mendel</b>
D	<b>Robert Bakewell</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 15	<b>When a gene controls two or more traits this property of gene is known as</b>
A	<b>Pleiotropy</b>
B	<b>Heterotropy</b>
C	<b>Monotropy</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 16	<b>Rampur Bushair is a breed of</b>
A	<b>Pig</b>
B	<b>Goat</b>
C	<b>Cattle</b>
D	<b>Sheep</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 17	<b>Crossing of the two inbred lines of different breeds is called as</b>
A	<b>Cross Breeding</b>
B	<b>In cross breeding</b>
C	<b>Inbreeding</b>
D	<b>Line Breeding</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 18	<b>Barbari breed is originated from</b>
A	<b>India</b>
B	<b>South Africa</b>
C	<b>East Africa</b>
D	<b>Palestine</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 19	<b>The inbred lines are developed mainly for crossing them to take advantage of</b>
A	<b>Hybrid Vigour</b>
B	<b>Heterosis</b>
C	<b>Both hybrid Vigour and Heterosis</b>
D	<b>None of these</b>

<b>Correct Answer</b>	<b>C</b>
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Q.No: 20	<b>The Heritability of number of legs in dairy cattle is</b>
A	<b>Zero</b>
B	<b>0.5</b>
C	<b>0.75</b>
D	<b>1.0</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 21	<b>The contribution of offspring to the next generation in selection experiments is called</b>
A	<b>Fitness</b>
B	<b>Adaptive Value</b>
C	<b>Selective Value</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 22	<b>The Observed value of a trait measured on an individual is called as</b>
A	<b>Genotypic Value</b>
B	<b>Phenotypic Value</b>
C	<b>Karyotypic Value</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 23	<b>Niang Megha is a breed of</b>
A	<b>Indigenous goat</b>
B	<b>Exotic Pig</b>
C	<b>Indigenous Pig</b>
D	<b>Indigenous Sheep</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 24	<b>Response to selection is affected by</b>
A	<b>Heritability of the Trait</b>
B	<b>Intensity of selection</b>
C	<b>Phenotypic standard deviation</b>
D	<b>All of these</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 25	<b>The most dwarf breed of cattle is</b>
A	<b>Vechur</b>
B	<b>Malvi</b>
C	<b>Siri</b>
D	<b>Hallikar</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 26	<b>Ideal calving interval in cattle is</b>
A	<b>14 Months</b>
B	<b>6 Months</b>
C	<b>4 Months</b>
D	<b>2 Years</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 27	<b>The desirable slope of floor in tail to tail system is</b>
A	<b>1:30</b>
B	<b>1:40</b>
C	<b>1:50</b>
D	<b>1:60</b>
<b>Question Deleted</b>	

Q.No: 28	<b>Sty is the place to keep</b>
A	<b>Young calves</b>
B	<b>Goat</b>
C	<b>Sheep</b>
D	<b>Pig</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 29	<b>For maximum growth rate in rabbit minimum crude fiber in ration should be</b>
A	<b>10%</b>
B	<b>8%</b>
C	<b>6%</b>
D	<b>4%</b>

<b>Correct Answer</b>	<b>A</b>
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Q.No: 30	<b>Manger length for a cow should be</b>
A	<b>20-24 inch</b>
B	<b>24-30 inch</b>
C	<b>15-20 inch</b>
D	<b>More than 30 inch</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 31	<b>Budgeting, a tool of dairy farm management includes</b>
A	<b>Comparative budgeting</b>
B	<b>Annual budgeting</b>
C	<b>Partial budgeting</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 32	<b>The example of baggage type of camel is</b>
A	<b>Desert Camel</b>
B	<b>Reverine Camel</b>
C	<b>Riding camel</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 33	<b>Best rabbit breed for production of fur is</b>
A	<b>British Angora</b>
B	<b>Russian Angora</b>
C	<b>German Angora</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 34	<b>In an organized dairy farm the calves are separated from dams and maintained in individual pens or stalls normally up to the age of</b>
A	<b>4 Weeks</b>
B	<b>5 Weeks</b>
C	<b>6 Weeks</b>
D	<b>8 Weeks</b>



<b>Correct Answer</b>	<b>D</b>
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Q.No: 35	<b>Bropkas, Herdsman, Manage which species of animal?</b>
A	<b>Mule</b>
B	<b>Ass</b>
C	<b>Yak</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 36	<b>Debeaking is best done at the age of</b>
A	<b>1<sup>st</sup> day</b>
B	<b>7<sup>th</sup> day</b>
C	<b>10<sup>th</sup> day</b>
D	<b>14<sup>th</sup> day</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 37	<b>The average egg production of an improved strain of White Leghorn is approximately</b>
A	<b>300 eggs per year</b>
B	<b>100 eggs per year</b>
C	<b>50 eggs per year</b>
D	<b>200 eggs per year</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 38	<b>Longer incubation period is generally observed in case of</b>
A	<b>Large size eggs</b>
B	<b>older eggs at setting time</b>
C	<b>Eggs from Hens with longer duration in production</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 39	<b>Unhealed naval or mushy chicks may be caused by the following reasons</b>
A	<b>unsanitary hatchery conditions</b>
B	<b>unsanitary incubator conditions</b>
C	<b>omphalites</b>
D	<b>All of these</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 40	<b>From the health management point of view the flow of on-farm traffic must be directed</b>
A	<b>From Oldest to youngest birds</b>
B	<b>From Youngest to oldest birds</b>
C	<b>With no set pattern</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 41	<b>Which of the light management programme is not recommended for growing pullets ?</b>
A	<b>Decreasing light</b>
B	<b>constant light</b>
C	<b>Increasing light</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 42	<b>What type of feasibility report is necessary before starting or planning a poultry project</b>
A	<b>Technical</b>
B	<b>Economical</b>
C	<b>Social/ Environmental</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 43	<b>To record the temperature in a brooder house the thermometer is placed above the litter at a height of</b>
A	<b>5 cm</b>
B	<b>10 cm</b>
C	<b>15 cm</b>
D	<b>20 cm</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 44	<b>Which of the following breed of poultry is well known for egg production</b>
A	<b>Cornish</b>
B	<b>Aseel</b>

C	<b>Kadaknath</b>
D	<b>White leg horn</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 45	<b>Which of the following is not a egg quality trait</b>
A	<b>Shape of the egg</b>
B	<b>Shell thickness</b>
C	<b>Yolk Index</b>
D	<b>Broodiness</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 46	<b>On which type of floor breeding stock of poultry should be reared for better Fertility ?</b>
A	<b>Wired floor</b>
B	<b>Slat floor</b>
C	<b>Deep litter</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 47	<b>Pindi, a type of khoa, is used to prepare which specific sweet ?</b>
A	<b>Kalakand</b>
B	<b>Gulabjamun</b>
C	<b>Rosagulla</b>
D	<b>Burfi</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 48	<b>Lal dahi, a preparation popular in eastern region of india is which type of dahi ?</b>
A	<b>Salted dahi</b>
B	<b>Sweetend dahi</b>
C	<b>Plain stored dahi</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 49	<b>Normally single toned milk should contain how much fat percentage ?</b>
A	<b>3%</b>

B	4.5%
C	1.5%
D	5%
<b>Correct Answer</b>	<b>A</b>

Q.No: 50	<b>Clotted milk is the synonym in which Indian milk product ?</b>
A	<b>Mawa</b>
B	<b>Kulfi</b>
C	<b>Rabri</b>
D	<b>Basundi</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 51	<b>Stale or sour flavor usually develops at what temperature of storage of khoa ?</b>
A	<b>24-30°C</b>
B	<b>5-10°C</b>
C	<b>31-35°C</b>
D	<b>Refrigerated temperature</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 52	<b>The defect caused by undissolved coarse salt in butter is known as</b>
A	<b>Streaky</b>
B	<b>Sticky</b>
C	<b>Grainy</b>
D	<b>Gritty</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 53	<b>For preventing oxidized or metallic flavor, the butter oil must be stored in which type of container ?</b>
A	<b>Aluminum/ Stainless steel vessel</b>
B	<b>Copper alloy vessels</b>
C	<b>Copper vessels</b>
D	<b>Iron Vessels</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 54	<b>Which one of the following is not the cause of churning difficulties?</b>
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A	<b>Excessive hardness of fat</b>
B	<b>Excessive thin Cream</b>
C	<b>large Sized fat globules</b>
D	<b>Excessive low churning temperature</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 55	<b>Homogenization of ice cream milk is essential because it</b>
A	<b>Lengthens ageing period</b>
B	<b>Prevent Fat Separation During Ageing</b>
C	<b>Reduces whipping ability</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 56	<b>How many kg of salt will be required to be added in 200 kg fat for making butter containing 2% salt assuming 80% fat in the butter ?</b>
A	<b>4.0</b>
B	<b>2.0</b>
C	<b>2.5</b>
D	<b>5.0</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 57	<b>For handling horses, the handler should approach the horse at an angle of</b>
A	<b>30°</b>
B	<b>45°</b>
C	<b>15°</b>
D	<b>Zero degree</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 58	<b>Which international agency is not directly involved in veterinary public health activities ?</b>
A	<b>OIE</b>
B	<b>FAO</b>
C	<b>WHO</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 59	<b>Majority of the slaughter facilities that exist in India are</b>
A	<b>Unhygienic</b>
B	<b>Hygienic</b>
C	<b>Suitable</b>
D	<b>Up to date</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 60	<b>Intestinal mucus membrane from healthy animal is used to manufacture which pharmacological preparation ?</b>
A	<b>Relaxin</b>
B	<b>Growth Hormone</b>
C	<b>Heparin</b>
D	<b>Nor adrenaline</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 61	<b>The effect of radiation on biological material is measured in</b>
A	<b>curie</b>
B	<b>rem</b>
C	<b>rad</b>
D	<b>decibel</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 62	<b>Permissible upper limit of arsenic in drinking water of livestock in mg/lit. is</b>
A	<b>0.8</b>
B	<b>0.6</b>
C	<b>0.4</b>
D	<b>0.2</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 63	<b>For how much time water should be boiled to destroy micro organisms and to make the dissolved impurities harmless ?</b>
A	<b>15 to 20 minutes</b>
B	<b>5 minutes</b>
C	<b>7 minutes</b>
D	<b>10 minutes</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 64	<b>Which chemical is used for removing suspended impurities in water ?</b>
A	<b>Pot Permanganate</b>
B	<b>Bleaching powder</b>
C	<b>Chlorine</b>
D	<b>Alum</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 65	<b>Slaughter bleeding time for sheep and pig is</b>
A	<b>More in Pigs than Sheep</b>
B	<b>More in Sheep Than Pigs</b>
C	<b>Equal in both</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 66	<b>Which one is non-projected display type visual aid ?</b>
A	<b>Flash Cards</b>
B	<b>Exhibits</b>
C	<b>Flip Charts</b>
D	<b>Flannel Graph</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 67	<b>The Philosophy of extension is</b>
A	<b>how to think</b>
B	<b>what to think</b>
C	<b>directed to work</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 68	<b>In extension education learners are</b>
A	<b>having common goal</b>
B	<b>homogenous</b>
C	<b>heterogeneous</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 69	<b>Gyandoot project was launched in tribal dominated rural area of Madhya Pradesh in the year</b>
A	<b>1979</b>
B	<b>1989</b>
C	<b>1999</b>
D	<b>2000</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 70	<b>TRYSEM was introduced in the year</b>
A	<b>1963</b>
B	<b>1979</b>
C	<b>1989</b>
D	<b>2000</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 71	<b>The concept of extension education is</b>
A	<b>an applied science</b>
B	<b>defined as educational process</b>
C	<b>a behavioral science</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 72	<b>Different techniques are used to access the situation (situational analysis) in program planning process Farmers Participation is maximum in</b>
A	<b>PRA</b>
B	<b>RRA</b>
C	<b>Survey</b>
D	<b>Schedule</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 73	<b>NES was launched in the year</b>
A	<b>2000</b>
B	<b>1979</b>
C	<b>1953</b>
D	<b>1952</b>



<b>Correct Answer</b>	<b>C</b>
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Q.No: 74	<b>Extension education, a participatory process, involves</b>
A	<b>Five independent steps</b>
B	<b>Five inter-related steps</b>
C	<b>Six Independent steps</b>
D	<b>Six inter-related steps</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 75	<b>To support the cross breeding program five central cattle breeding farms have been established for raising high quality bulls of</b>
A	<b>sahiwal, H F and Murrah</b>
B	<b>Sahiwal, jersey and Murrah</b>
C	<b>Red Sindhi, H F and Murrah</b>
D	<b>Red Sindhi, Jersey and Murrah</b>
<b>Question Deleted</b>	

Q.No: 76	<b>In fowl the pygostyle is found in the Vertebrae of</b>
A	<b>Thoracic</b>
B	<b>Carvical</b>
C	<b>Coccygeal</b>
D	<b>Sacral</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 77	<b>The splanchnic skeleton of the OX is</b>
A	<b>Os-rostrum</b>
B	<b>Os-penis</b>
C	<b>Os-cordis</b>
D	<b>Os-phrenic</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 78	<b>The minisci are present in which joint</b>
A	<b>Hip</b>
B	<b>Stifle</b>
C	<b>Hock</b>
D	<b>shoulder</b>

<b>Correct Answer</b>	<b>B</b>
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Q.No: 79	<b>The muscles attached on the bone surface</b>
A	<b>Cardiac muscles</b>
B	<b>Smooth muscles</b>
C	<b>Skeletal muscles</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 80	<b>The white pulp and red pulp are found in the microsection of</b>
A	<b>Kidney</b>
B	<b>Pancreas</b>
C	<b>Spleen</b>
D	<b>Liver</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 81	<b>The number of chromosomes are reduced to half during</b>
A	<b>Mitosis</b>
B	<b>Meiosis</b>
C	<b>Interphase</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 82	<b>Fertilized ovum immediately starts dividing into series of mitosis by a process called</b>
A	<b>Blastulation</b>
B	<b>Cleavage</b>
C	<b>Gastrulation</b>
D	<b>Neurulation</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 83	<b>Fertilized ovum is divided into number of cells by mitotic division by the process of</b>
A	<b>Bastulation</b>
B	<b>Cleavage</b>
C	<b>Gastrulation</b>

D	None of these
<b>Correct Answer</b>	<b>B</b>

Q.No: 84	<b>Oxytocin has specific effects on</b>
A	<b>Smooth muscles of uterus</b>
B	<b>Myoepithelial cells of mammary gland</b>
C	<b>Facilitates parturition</b>
D	<b>All of the above</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 85	<b>Maintenance of milk secretion is known as</b>
A	<b>Galactopoiesis</b>
B	<b>Lacto genesis</b>
C	<b>Mammogenesis</b>
D	<b>Galactogenesis</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 86	<b>Pepsinogen and HCl is secreted in ruminants by</b>
A	<b>Omasum</b>
B	<b>Abomasum</b>
C	<b>Reticulum</b>
D	<b>Ruman</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 87	<b>The basic unit of gas exchange in birds is</b>
A	<b>Primary bronchi</b>
B	<b>Secondary bronchi</b>
C	<b>Parabronchi</b>
D	<b>Air sacs</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 88	<b>The major cation of intracellular fluid is</b>
A	<b>Na</b>
B	<b>K</b>
C	<b>Mg</b>

D	<b>Mn</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 89	<b>Hypovolemic shock may be due to</b>
A	<b>Haemorrhage</b>
B	<b>Trauma</b>
C	<b>Both Haemorrhage and Trauma</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 90	<b>Ambient hypoxia occurs due to</b>
A	<b>Low <math>po_2</math> in atmosphere</b>
B	<b>High <math>po_2</math> in atmosphere</b>
C	<b>Shortage of functional hemoglobin</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 91	<b>Mannitol is contra indicated in dogs suffering from congestive heart failure because it</b>
A	<b>Increases blood volume and precipitates pulmonary edema</b>
B	<b>Causes hypovolemia with excess excretion of <math>Na^+</math>, <math>K^+</math> and <math>c\ l^-</math> ions</b>
C	<b>Both Increases blood volume and precipitates pulmonary edema &amp; Causes hypovolemia with excess excretion of <math>Na^+</math>, <math>K^+</math> and <math>c\ l^-</math> ions</b>
D	<b>None of the above</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 92	<b>Tamoxifen is an antiestrogen used mainly in the treatment of</b>
A	<b>Mammary gland carcinoma in bitches</b>
B	<b>Horn cancer in bullocks</b>
C	<b>Reduced libido in males</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 93	<b>The dose rate at which urea is lethal for starved cattle is</b>
A	<b>1 - 1.5 g / kg b.wt</b>
B	<b>0.33 - 0.44 g / kg b.wt</b>

C	<b>0.22 - 0.30 g / kg b.wt</b>
D	<b>None of the above</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 94	<b>Buparvaquone is a drug of choice for the treatment of</b>
A	<b>Tick infestation</b>
B	<b>Tape worm infection</b>
C	<b>Theileria infection</b>
D	<b>Babesiosis</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 95	<b>Sui poisoning is the common name for</b>
A	<b>Dhatura poisoning</b>
B	<b>Strychnine poisoning</b>
C	<b>Heavy metal poisoning</b>
D	<b>Abrus precatorius poisoning</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 96	<b>Hepatatotoxicity and photo sensitization in grazing livestock is caused due to ingestion of</b>
A	<b>Lantana camara</b>
B	<b>Naricum oleandir</b>
C	<b>Digitalis purpurea</b>
D	<b>Beta vulgaris</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 97	<b>One of the following is an anticoccidial drug used in poultry</b>
A	<b>Amprolium</b>
B	<b>Acriflavin</b>
C	<b>Both Amprolium and Acriflavin</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 98	<b>Restriction enzymes capable of making internal cuts in a DNA molecule is called</b>
A	<b>Restriction exonuclease</b>

B	<b>Restriction endonuclease</b>
C	<b>Both Restriction exonuclease and Restriction endonuclease</b>
D	<b>S<sub>1</sub> nuclease</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 99	<b>Mechanism of intake of recombinant plasmids into a cell is called</b>
A	<b>Transduction</b>
B	<b>Transformation</b>
C	<b>Conjugation</b>
D	<b>Both Transduction and Transformation</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 100	<b>PCR was invented by</b>
A	<b>Watson and Eric</b>
B	<b>Paul Berg</b>
C	<b>Kary Mullis</b>
D	<b>Kohler and Milstain</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 101	<b>On the basis of maternal foetal barrier, type of placenta in bitch is</b>
A	<b>Syndesmochorial</b>
B	<b>Haemochorial</b>
C	<b>Epithelio chorial</b>
D	<b>Endotheliochorial</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 102	<b>Post- service pyometra in cow is usually caused by</b>
A	<b>Campylobacter fetus</b>
B	<b>Brucella aleortus</b>
C	<b>E . coli</b>
D	<b>Trichomonas fetus</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 103	<b>Aschhein - Zondek test is the method of Pregnancy diagnosis in</b>
A	<b>Bitch</b>

B	<b>Cattle</b>
C	<b>Mare</b>
D	<b>Sow</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 104	<b>The second stage of parturition in a cow lasts for</b>
A	<b>0.5 - 1 hr</b>
B	<b>6 - 8 hrs</b>
C	<b>24 hrs</b>
D	<b>4 hrs</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 105	<b>Synchronization of estrus can be achieved by administering</b>
A	<b>Single injection of FSH</b>
B	<b>Single injection of GnRH</b>
C	<b>Combination of FSH and GnRH</b>
D	<b>Two doses of PGF2 <math>\alpha</math> at 11 days interval</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 106	<b>When sperm concentration is less in the semen sample the condition is called as</b>
A	<b>Hypospermia</b>
B	<b>Asthenozoospermia</b>
C	<b>Oligozoospermia</b>
D	<b>Teratozoospermia</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 107	<b>Testosterone hormaone is produced from</b>
A	<b>spermatogonia</b>
B	<b>Sertoli cells</b>
C	<b>Leydig cells</b>
D	<b>Medusa cells</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 108	<b>Fructose is Predominantty present in the semen of</b>
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A	<b>Dog</b>
B	<b>Stallion</b>
C	<b>Cow bull</b>
D	<b>Buffalo bull</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 109	<b>Testicular hypoplasia a condition in buffalo bull is</b>
A	<b>Acquired</b>
B	<b>Congenital</b>
C	<b>Hereditary</b>
D	<b>Environmental</b>
<b>Question Deleted</b>	

Q.No: 110	<b>Lack of sexual interest in female immediately following copulation is called as</b>
A	<b>Intromission</b>
B	<b>Dismounting</b>
C	<b>Impotentia coeundi</b>
D	<b>Refractoriness</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 111	<b>Disorder of eye in which additional cilia emerges from the openings of Meibomian glands of eye is known as</b>
A	<b>Ectopic cilia</b>
B	<b>Distichiasis</b>
C	<b>Trichiasis</b>
D	<b>None of These</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 112	<b>Surgical procedure indicated for mass lesions and caecal impaction or inversion called</b>
A	<b>Typhlotomy</b>
B	<b>Colotomy</b>
C	<b>Caecocystostomy</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>



Q.No: 113	<b>Extrapelvic urethral structures in dogs are best managed by</b>
A	<b>Ureathrostomy</b>
B	<b>Resection &amp; anastomosis</b>
C	<b>Extrapelvic cystourethral anastomosis</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 114	<b>To visualize details of different structures , a good radiograph is expected to have</b>
A	<b>Long scale contrast</b>
B	<b>Short scale contrast</b>
C	<b>High radiographic density</b>
D	<b>Low radiographic density</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 115	<b>Telescoping of a part of intestine distally into an adjacent portion is called as</b>
A	<b>Volvulus</b>
B	<b>Intussusception</b>
C	<b>Torsion</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 116	<b>Auriculopalpebral nerve block results into</b>
A	<b>Loss of sensation of eyelids</b>
B	<b>Motor Paralysis of eyelids</b>
C	<b>Blockade of sensory &amp; motor nerve</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 117	<b>Conformation in which the entire fore limb from the body to ground is too far forward when viewed from the side is called as</b>
A	<b>Comped in front</b>
B	<b>Standing under infornt</b>
C	<b>Open knees</b>
D	<b>Comped behind</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 118	<b>If a horse refuses to move unless forces , the lameness is graded as</b>
A	<b>grade - 1</b>
B	<b>grade - 2</b>
C	<b>grade - 3</b>
D	<b>grade - 4</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 119	<b>Bunnell suture technique is used for</b>
A	<b>Muscle repair</b>
B	<b>Tendon repair</b>
C	<b>Ligament repair</b>
D	<b>Skin repair</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 120	<b>The chief indication for electrotherapy are</b>
A	<b>Paralysis and muscular atrophy</b>
B	<b>Paralysis and torticollis</b>
C	<b>Paralysis and muscular tremors</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 121	<b>Fluoroscopy was invented by</b>
A	<b>Thomas A. Edison in 1896</b>
B	<b>W.C. lord Roentgen in 1895</b>
C	<b>J.J. Thompsan in 1897</b>
D	<b>J.J. Thompsan in 1913</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 122	<b>The basis of diagnostic ultrasound is</b>
A	<b>Absorption of ultrasound energy</b>
B	<b>Reflection of ultrasound waves</b>
C	<b>Scattering of ultrasound waves</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 123	<b>Among the following, which one is the most dangerous type of hernia</b>
A	<b>Gastorcele</b>
B	<b>Entro- epiplocele</b>
C	<b>Strangulated hernia</b>
D	<b>None reducible hernia</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 124	<b>In which types of animals atropine makes the salivary secretions viscid ?</b>
A	<b>Canines</b>
B	<b>Bovines</b>
C	<b>Equines</b>
D	<b>Felines</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 125	<b>Grid is used to prevent the following from reaching the X-ray film during exposure</b>
A	<b>Primary radiation</b>
B	<b>Scattered radiation</b>
C	<b>Both Primary radiation &amp; Scattered radiation are true</b>
D	<b>Both Primary radiation &amp; Scattered radiation are false</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 126	<b>Using a diseased animal for work is punishable under</b>
A	<b>Prevention of Cruelty against Animals Act 1960</b>
B	<b>Prevention of Cruelty against Animals Act 1965</b>
C	<b>Prevention of Cruelty against Animals Act 1970</b>
D	<b>Prevention of Cruelty against Animals Act 1975</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 127	<b>Which of the following formula is used to calculate total solid(TS) and solid not fat (SNF) content of milk</b>
A	<b>Richmond's formula</b>
B	<b>Bobcock's formula</b>
C	<b>Fleischmann's formula</b>
D	<b>All of these</b>

<b>Correct Answer</b>	<b>D</b>
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Q.No: 128	<b>Mercuric nitrate solution is used for the detection of adulteration of milk with</b>
A	<b>Gelatin</b>
B	<b>Starch</b>
C	<b>Vegetable oil</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 129	<b>Which to the following types of meats contains firm and fine muscle fibers</b>
A	<b>Horse meat</b>
B	<b>Fish meat</b>
C	<b>Poultry meat</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 130	<b>The Animal welfare board was established in the year</b>
A	<b>1952</b>
B	<b>1962</b>
C	<b>1982</b>
D	<b>1992</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 131	<b>Which of the following is not used as a preservative during post-mortem examination of vetero-legal cases</b>
A	<b>Common salt</b>
B	<b>Alcohol</b>
C	<b>Formalin</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 132	<b>For internal examination during post-mortem examination of equine, the carcass should be placed</b>
A	<b>Right side down</b>
B	<b>Left side down</b>
C	<b>In sterna recumbency</b>

D	<b>in dorsal recumbency</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 133	<b>Under the law, manufacture and sale of which of the following is considered to be a crime</b>
A	<b>Adultrated drugs</b>
B	<b>Misbranded drugs</b>
C	<b>Spurious drugs</b>
D	<b>All of these</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 134	<b>Which of the following specimens should be submitted for chemical analysis from a suspected case of nitrate poisoning</b>
A	<b>Whole blood</b>
B	<b>Kidney</b>
C	<b>Liver</b>
D	<b>Urine</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 135	<b>The phenomenon of rigor mortis commences from which of following body parts</b>
A	<b>Head and neck</b>
B	<b>Shoulder and abdomen</b>
C	<b>extremities of forelimbs</b>
D	<b>extremities of hindlimbs</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 136	<b>The term, "Skin leucosis" is used for which of the following diseases</b>
A	<b>Fowl pox</b>
B	<b>Marek's disease</b>
C	<b>Lymphoid feucosis</b>
D	<b>None of these</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 137	<b>Which of the following is added as preservative to milk samples that are to be later used for laboratory examination</b>
A	<b>Toluene</b>

B	<b>Formaline</b>
C	<b>Potassium dichromate</b>
D	<b>Thymol</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 138	<b>Which of the following is not a major <i>mastitis</i> pathogen</b>
A	<b><i>Staphylococcus aureus</i></b>
B	<b><i>Streptococcus agalactia</i></b>
C	<b><i>Escherichia coli</i></b>
D	<b><i>Staphylococcus Hyicus</i></b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 139	<b>Which of the following triggers multiplication of <i>Brucella abortus</i> organisms</b>
A	<b>Erythymol</b>
B	<b>Erythretol</b>
C	<b>Erytol</b>
D	<b>Ethambutol</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 140	<b>Which of the following is used for staining smears for the diagnosis of tuberculosis</b>
A	<b>Giemsa stain</b>
B	<b>ZN stain</b>
C	<b>EMB stain</b>
D	<b>Seller's stain</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 141	<b>The usual frequency of occurrence of a disease is known as</b>
A	<b>Endemic</b>
B	<b>Sporadic</b>
C	<b>Epidemic</b>
D	<b>Pandemic</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 142	<b>Which of the following is used for post - bite anti- rabies vaccination schedule</b>
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A	<b>0,3<sup>rd</sup>,7<sup>th</sup> , 14<sup>th</sup> &amp; 30<sup>th</sup> day</b>
B	<b>0, 3<sup>rd</sup> , 7<sup>th</sup> , 14<sup>th</sup> ,30<sup>th</sup> &amp; 90<sup>th</sup> day</b>
C	<b>0, 3<sup>rd</sup> ,7<sup>th</sup> , 14<sup>th</sup> &amp; 28<sup>th</sup> day</b>
D	<b>0, 3<sup>rd</sup> ,7<sup>th</sup>,14<sup>th</sup> ,28<sup>th</sup> &amp; 90<sup>th</sup> day</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 143	<b>Mc'enjie Toothbrush technique is used for the diagnosis of which of the following conditions</b>
A	<b>Canine atopy</b>
B	<b>Canine pyoderma</b>
C	<b>Dermato phytosis</b>
D	<b>Flea allergic dermatitis</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 144	<b>Which of the following is a commensal organism that inhabits canine skin and ear canals and produces disease under favorable conditions .</b>
A	<b><i>Malassezia pachydermatis</i></b>
B	<b><i>Staphylococcus intermedius</i></b>
C	<b><i>Sarcoptes scabiei var. canis</i></b>
D	<b><i>Otodectes Cyanotis</i></b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 145	<b>Enrofloxacin is not used to treat bacterial infections in young animals as it is</b>
A	<b>Oto foxic</b>
B	<b>Nephrotoxic</b>
C	<b>Neurotoxic</b>
D	<b>Chondrotoxic</b>
<b>Correct Answer</b>	<b>D</b>

Q.No: 146	<b>Which of the following is the smallest virus of animal origin</b>
A	<b>Pox virus</b>
B	<b>FMD virus</b>
C	<b>Blue tongue virus</b>
D	<b>Corona virus</b>
<b>Correct Answer</b>	<b>B</b>

Q.No: 147	<b>The amount of IgG that a neonatal calf receives through colostrum should be equal to</b>
A	<b>50 gm /45 kg body wt. of calf</b>
B	<b>75 gm /45 kg body wt. of calf</b>
C	<b>100 gm /45 kg body wt. of calf</b>
D	<b>150 gm /45 kg body wt. of calf</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 148	<b>For the treatment of babesiosis in cattle, the dose of Diminazine is</b>
A	<b>8 mg/kg body wt.</b>
B	<b>10 mg/kg body wt.</b>
C	<b>12 mg/kg body wt.</b>
D	<b>15 mg/kg body wt.</b>
<b>Correct Answer</b>	<b>C</b>

Q.No: 149	<b>For the treatment of trypanosomiasis (surra)in pig, camel and buffalo , the curative dose of antrycide (Qinapyramine sulfata )is</b>
A	<b>4 mg/kg body wt.</b>
B	<b>8 mg/kg body wt.</b>
C	<b>10 mg/kg body wt.</b>
D	<b>15 mg/kg body wt.</b>
<b>Correct Answer</b>	<b>A</b>

Q.No: 150	<b>Hydatidosis is caused due to intermediate stage of which of the following parasites</b>
A	<b>Taenia solium</b>
B	<b>Moniezia sp</b>
C	<b>Echinococcus granulosus</b>
D	<b>Tenia multiceps</b>
<b>Correct Answer</b>	<b>C</b>