

मध्यप्रदेश लोक सेवा आयोग  
रेसीडेन्सी एरिया  
इन्दौर

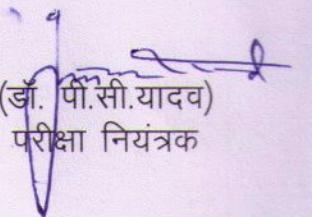
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इन्दौर, दिनांक 07.10.2018

प्रावधिक उत्तर कुंजी

--: विज्ञप्ति ::--

आयोग के विज्ञापन क्रमांक-05/2018 दिनांक 31.07.2018 के अंतर्गत आयोजित पशु चिकित्सा सहायक शल्यज्ञ परीक्षा-2018 के विषय- पशुपालन एवं पशु चिकित्सा विज्ञान के प्रश्न पत्र की परीक्षा दिनांक 07.10.2018 को वस्तुनिष्ठ प्रकार के प्रश्न पत्र की प्रावधिक उत्तर कुंजी परीक्षा परिणाम बनाने के पूर्व आयोग की वेबसाईट पर प्रकाशित की जा रही है। अभ्यर्थी आयोग की वेबसाईट 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। यदि इस प्रावधिक उत्तर कुंजी के संबंध में किसी परीक्षार्थियों को कोई आपत्ति हो तो वे ऑनलाईन आपत्तियां 07 दिवस के अन्दर प्रस्तुत कर सकते हैं। इस हेतु अभ्यर्थी प्रश्न क्रमांक, संदर्भ ग्रंथों का नाम एवं दस्तावेज संलग्न करें। प्रावधिक उत्तर कुंजी आयोग की वेबसाईट पर अपलोड होने की तिथि से 07 दिवस की समयावधि के पश्चात प्राप्त आपत्तियों पर विचार नहीं किया जायेगा। यह विज्ञप्ति आयोग की वेबसाईट [www.mppsc.com](http://www.mppsc.com) & [www.mppsc.nic.in](http://www.mppsc.nic.in), [www.mppscdemo.in](http://www.mppscdemo.in) पर दिनांक 07.10.2018 से उपलब्ध है।

  
(डॉ. पी.सी.यादव)  
परीक्षा नियंत्रक

## Veterinary Assistant Surgeon Exam - 2018

### (Model Answer Key)

#### Animal Husbandry and veterinary science

**Q1 :** Pica, characterized by abnormal appetite and chewing of woods, bones, rags and other foreign materials indicate the deficiency of

A P

B Mg

C Na

D Ca

Answer Key: A

**Q2 :** In which animal, anemia can occur when they are housed in pens without access to soil

A Calves

B Lambs

C Piglets

D Chicks

Answer Key: C

**Q3 :** Flushing is practiced

A Before breeding

B After parturition

C For maintenance

D During growth

Answer Key: A

**Q4 :** Silage is

A Fresh chopped fodder

B Fodder fermented under controlled condition

C Dried fodder

D Preserved grains

Answer Key: B

**Q5 :** Curled toe paralysis in poultry is caused due to deficiency of

A Riboflavin

B Vitamin E

C	Vitamin C
D	Niacin
Answer Key: A	

<b>Q6 :</b> Urea toxicity occurs when blood ammonia level exceed :	
A	01 mg / 100 ml
B	10 mg /100 ml
C	20 mg /100 ml
D	30 mg /100 ml
Answer Key: A	

<b>Q7 :</b> Which of the following is commonly called as animal starch ?	
A	Glucose
B	Glycogen
C	VFAs
D	Fructose
Answer Key: B	

<b>Q8 :</b> The tallest breed of sheep in India is	
A	Nellore
B	Mandya
C	Chokla
D	Shabadi
Answer Key: A	

<b>Q9 :</b> If in an animal population, frequency of homozygous recessives is twice the frequency of heterozygote, What will be the frequency of recessive allele?	
A	0.2
B	0.4
C	0.6
D	0.8
Answer Key: D	

<b>Q10</b> Progeny testing in dairy cattle is used to evaluate :	
A	Performance of progeny
B	Sire's breeding worth
C	Young male's own performance

D None of these

Answer Key: **B**

**Q11** The following is required for constructing selection index  
:

A Relative economic value for each trait

B Genetic & Phenotypic variance of each trait

C Genetic & phenotypic covariance among each trait

D All of the these

Answer Key: **D**

**Q12** The breeding tract of Kenkatha breed of cattle encompasses the states of  
:

A Karnataka and Tamilnadu

B Karnataka and Maharashtra

C Central India and Uttar Pradesh

D Central India and Chhattisgarh

Answer Key: **C**

**Q13** Individual selection is  
:

A Based on individual's phenotypic value

B Effective when heritability is high

C Mass selection

D All of these

Answer Key: **D**

**Q14** Egg production in poultry is inherited as a  
:

A Sex limited trait

B Polygenic trait

C Both (Sex limited trait) and (Polygenic trait)

D None of these

Answer Key: **C**

**Q15** "Wildlife Protection Act" was launched in the year  
:

A 1962

B 1972

C	1982
D	2002
Answer Key: <b>B</b>	

<b>Q16</b> The Project Tiger was initiated in the year	
:	
A	1953
B	1963
C	1973
D	1983
Answer Key: <b>C</b>	

<b>Q17</b> The term kindling is used for	
:	
A	Candling for sexing
B	Delivery of rabbit
C	Kind handling of rabbit
D	Act of delivery in goats
Answer Key: <b>B</b>	

<b>Q18</b> Most beautiful dairy cattle is	
:	
A	HF
B	Jersey
C	Ayrshire
D	Brown Swiss
Answer Key: <b>C</b>	

<b>Q19</b> The Yak is considered to be fully grown at the age of (years)	
:	
A	1-2
B	2-3
C	3-5
D	6-8
Answer Key: <b>D</b>	

<b>Q20</b> The training can be started in Bullocks at the age of	
:	
A	6 months to 1 year
B	2 to 3 years

C	4 to 5 years
D	Depends upon breed
Answer Key: <b>B</b>	

**Q21** As per BIS standard, the floor space requirement (m<sup>2</sup>) for covered area for bull is :

A	6
B	8
C	10
D	12
Answer Key: <b>D</b>	

**Q22** The Highest quality bacon in the World is produced by :

A	Tamworth
B	Duroc
C	Landrace
D	Chester white
Answer Key: <b>C</b>	

**Q23** Castrated male of cattle is Known as :

A	Steer
B	Wether
C	Barrow
D	Geld
Answer Key: <b>A</b>	

**Q24** Curled leaf appearance of ear is a characteristic of :

A	Red Sindhi
B	Tharparkar
C	Sahiwal
D	Gir
Answer Key: <b>D</b>	

**Q25** In poultry true stomach is :

	Gizzard
--	---------

A	
B	Proventriculus
C	Crop
D	Abomasum
Answer Key: <b>B</b>	

<b>Q26</b> Hybrid of Jack and Mare is known as	
:	
A	Mule
B	Ass
C	Hinny
D	None
Answer Key: <b>A</b>	

<b>Q27</b> The following is not developed in new born calf	
:	
A	Rumen
B	Liver
C	Omasum
D	Abomasum
Answer Key: <b>A</b>	

<b>Q28</b> The following breed is the native of Gujarat :	
:	
A	Malvi
B	Nimari
C	Kenkatha
D	Kankrej
Answer Key: <b>D</b>	

<b>Q29</b> Method of cross breeding is/are	
:	
A	Criss Crossing
B	Triple Crossing
C	Back Crossing
D	All of these
Answer Key: <b>D</b>	

<b>Q30</b> Which of the following mineral has the non-specific antioxidant activity?	
:	

A	Potassium
B	Calcium
C	Nickel
D	Selenium
Answer Key: <b>D</b>	

**Q31** Lactobacillus bacteria are used as  
:

A	antibiotic growth promoters
B	acidifiers
C	Probiotics
D	Prebiotics
Answer Key: <b>C</b>	

**Q32** Brooding temperature during first week should be.  
:

A	25°c
B	35°c
C	45°c
D	All of these
Answer Key: <b>B</b>	

**Q33** The Longest portion of oviduct is  
:

A	Isthmus
B	Magnum
C	Uterus
D	None of these
Answer Key: <b>B</b>	

**Q34** An egg spends 0.25 hour in  
:

A	Infundibulum
B	Magnum
C	Shell gland
D	None
Answer Key: <b>A</b>	

Crazy chick disease occurs in chicks due to deficiency of



**Q35**

:

A Vitamin B

B Vitamin C

C Vitamin D

D Vitamin E

Answer Key: **D**

**Q36** The moulting order in laying hen is :

:

A Head, neck, breast, body, wings & tail

B Tail, wings, body, breast, neck & head

C Body, breast, wings, tail & head

D Wings, breast, body, tail, Head

Answer Key: **A**

**Q37** The weight of the birds has to be controlled to

:

A Prevent fat accumulation

B To get better egg production

C To get higher percentage of fertility

D All of these

Answer Key: **D**

**Q38** Exposure of eggs to extremely high temperature (46-49° c ) during incubation results into

:

A Shortest incubation time

B Production of smaller chicks

C Death of all embryos

D Poor hatchability

Answer Key: **C**

**Q39** Following is not a mycotic disease of poultry

:

A Aspergellosis

B Favus

C Thrush

D Limber neck

Answer Key: **D**

**Q40** The National Commission on Agriculture (1976) refers to extensions is a/an

:

- |   |                         |
|---|-------------------------|
| A | Out of school education |
| B | Formal education        |
| C | Farm family education   |
| D | Informal Education      |

Answer Key: **A**

**Q41** Organising village scouts called Brati Batika is associated with:

:

- |   |                      |
|---|----------------------|
| A | Gurgaon Experiment   |
| B | Shantiniketan        |
| C | Marthandom project   |
| D | Etawah pilot project |

Answer Key: **B**

**Q42** Educational psychology is a/an:

:

- |   |                    |
|---|--------------------|
| A | Positive science   |
| B | Normative science  |
| C | Autonomous science |
| D | Applied science    |

Answer Key: **A**

**Q43** TRYSEM is facilitating component of the :

:

- |   |      |
|---|------|
| A | IADP |
| B | NDDB |
| C | ICDP |
| D | IRDP |

Answer Key: **D**

**Q44** Caste system and class system represents basic forms of :

:

- |   |                       |
|---|-----------------------|
| A | Social Interactions   |
| B | Socialization         |
| C | Social system         |
| D | Social stratification |

Answer Key: **D**

**Q45** In Extension education audience is :  
:

- |   |                                |
|---|--------------------------------|
| A | Homogeneous                    |
| B | Heterogeneous                  |
| C | Taught directly by the teacher |
| D | Diversified                    |

Answer Key: **B**

**Q46** It is the degree to which a communication source is perceived as trustworthy and competent by the receiver is known as :  
:

- |   |             |
|---|-------------|
| A | Empathy     |
| B | Fidelity    |
| C | Credibility |
| D | Interaction |

Answer Key: **C**

**Q47** One of best programme of the extension in which actual things, practices can demonstrate or explained easily and successfully:  
:

- |   |               |
|---|---------------|
| A | Exhibition    |
| B | Tours         |
| C | Farm visit    |
| D | Demonstration |

Answer Key: **A**

**Q48** According to Leagans (1961), behavior refers to :  
:

- |   |                   |
|---|-------------------|
| A | Knowledge         |
| B | Skills            |
| C | Attitude & Action |
| D | All of these      |

Answer Key: **D**

**Q49** Method of determining the suitability of a new practice in farmer situation is :  
:

- |   |                  |
|---|------------------|
| A | Group discussion |
| B | Training         |
| C | Minikit trial    |
| D | Demonstration    |

Answer Key: C

**Q50** Which one of the following methods is not suitable for the development of butter granules in cultured buttermilk?  
:

- A Adding salt in finished product
- B Churning of cultured cream
- C Passing hot butter oil through a screen into cold butter oil
- D Adding cream in cultured skim milk while breaking up the curd

Answer Key: A

**Q51** Lal dahi is also known as  
:

- A Soft curd
- B Dahi Kusum
- C Colostrum curd
- D Sweetened dahi

Answer Key: D

**Q52** Cheese made from skim milk is termed as  
:

- A Gauda cheese
- B Sapsago cheese
- C Cheddar cheese
- D Cottage cheese

Answer Key: D

**Q53** What is freezing point of milk  
:

- A 0° c
- B -0.55° c
- C -1.55° c
- D -1° c

Answer Key: B

**Q54** Milk is an emulsion of  
:

- A Oil-in-Water
- B Water-in-Oil
- C Oil-in-Oil

C	
D	Oil-in-Starch
Answer Key: <b>A</b>	

<b>Q55</b> The “eyes” in swiss cheese are formed by the growth of :	
A	<i>Leuconostoc</i>
B	<i>Propionibacterium</i>
C	<i>Streptococcus</i>
D	<i>Lactobacillus</i>
Answer Key: <b>B</b>	

<b>Q56</b> The lactose content of cow milk is :	
A	4.9%
B	3.8%
C	6.1%
D	5.8%
Answer Key: <b>A</b>	

<b>Q57</b> The recommended storage temperature for ghee is :	
A	1° c
B	11° c
C	21° c
D	31° c
Answer Key: <b>C</b>	

<b>Q58</b> Maximum score is given for one of the following while judging and grading of milk :	
A	Temperature
B	Flavour
C	Sediment
D	Bacteria
Answer Key: <b>B</b>	

<b>Q59</b> Following is not a milk bacterial born disease :	
A	Brucellosis
	Campylo bacteriosis

B	
C	Mastitis
D	Aflatoxicosis
Answer Key: <b>D</b>	

<b>Q60</b> A systematic inspection of carcasses should be initiated in the following order :	
A	Kidney, spleen, uterus
B	Udder, testis, and spleen
C	Head, lungs, heart liver and so on
D	Esophagus, intestine, stomach
Answer Key: <b>C</b>	

<b>Q61</b> The bacterial count of milk varies between :	
A	500-1000/ml
B	1100-1500/ml
C	1500-2000/ml
D	2000-2500/ml
Answer Key: <b>A</b>	

<b>Q62</b> The number of new cases that occur in a known population over a specified period of time is known as :	
A	Incidence
B	Cumulative incidence
C	Prevalence
D	Incidence rate
Answer Key: <b>A</b>	

<b>Q63</b> Pigs act as :	
A	Amplifier host
B	Link host
C	Both (Amplifier host) and (Link host)
D	None of these
Answer Key: <b>C</b>	

<b>Q64</b> Causative agent of plague is :	
	<i>Yersinia enterocolitica</i>

A	
B	<i>Pasteurella multocida</i>
C	<i>Yersinia pestis</i>
D	<i>Bacillus anthracis</i>
Answer Key: C	

<b>Q65</b> The following is not a method of cremation- :	
A	Cross trench method
B	Surface burning
C	Bostock pit method
D	Composting
Answer Key: D	

<b>Q66</b> Koch's postulates are given by- :	
A	Louis Pasteure
B	Robert Koch
C	D'mitri Ivanovsky
D	Edward Jenner
Answer Key: B	

<b>Q67</b> The viral infection which is zoonotic in nature and invariably fatal is :	
A	Brucellosis
B	Mastitis
C	Rabies
D	None of these
Answer Key: C	

<b>Q68</b> The bovine abortion is caused by- :	
A	Listeriosis
B	Brucellosis
C	Campylobacteriosis
D	All of these
Answer Key: D	

<b>Q69</b> Segregation of animals, which are suspected to be affected with a contagious disease is termed as: :	
--------------------------------------------------------------------------------------------------------------------	--

A	Quarantine
B	Isolation
C	Weaning
D	Culling
Answer Key: <b>B</b>	

**Q70** Mating of animal of two or more different breeds is known as :

A	Inbreeding
B	Cross breeding
C	Spp. Hybridization
D	All of these
Answer Key: <b>B</b>	

**Q71** Piercing outlines of desired number or letter on the skin inside ears is known as :

A	Tagging
B	Branding
C	Tattooing
D	Microchipping
Answer Key: <b>C</b>	

**Q72** Removing wool from sheep is termed as :

A	Clipping
B	Shearing
C	Cutting
D	Ringing
Answer Key: <b>B</b>	

**Q73** The young ones of rabbit is known as :

A	Kid
B	Lamb
C	Bunny
D	Kitten
Answer Key: <b>C</b>	

**Q74** Mehsana is a somewhat mixed breed, intermediate type between



:	
A	Nagpuri and Jafrabadi
B	Murrah and Surti
C	Murrah and Bhadawari
D	Nili and Ravi
Answer Key: <b>B</b>	

<b>Q75</b> The gestation period of goat is	
:	
A	131 days
B	141 days
C	151 days
D	161 days
Answer Key: <b>C</b>	

<b>Q76</b> Which factor is deficient in hemophilic patient ?	
:	
A	Factor VIII
B	Factor II
C	Factor X
D	All of these
Answer Key: <b>A</b>	

<b>Q77</b> Metabolic acidosis occurs when there is -	
:	
A	Severe diarrhea
B	Excessive vomiting
C	Both Severe diarrhea and Excessive vomiting
D	None of these
Answer Key: <b>A</b>	

<b>Q78</b> Traumatic reticuloperitonitis is caused by :	
:	
A	Straw feeding
B	Hay feeding
C	Foreign objects
D	Infection of rumen wall
Answer Key: <b>C</b>	

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**Q79** Cause of Addison's disease is :

:

A Hyperadrenocorticism

B Hypoadrenocorticism

C Hyperthyroidism

D Hypothyroidism

Answer Key: **B**

**Q80** The following has inhibitory effect on the secretion of growth hormone :

:

A GhRH

B Somatostatin

C Somatomedin

D GnRH

Answer Key: **B**

**Q81** Hormone, that is responsible for let down of milk.

:

A Glucagon

B Oxytocin

C Progesteron

D Estrogen

Answer Key: **B**

**Q82** The rectal temperature of 41° C in dogs indicate -

:

A Normal body temperature

B Severe nervous symptoms

C Loss of neural control of thermal regulation

D None of these

Answer Key: **C**

**Q83** The duration of LH surge in cattle is -

:

A 06-12 hrs

B 13-15 hrs

C 15-20 hrs

D 20-24 hrs

Answer Key: **A**

**Q84** Transitional epithelium is found in the

:

A Trachea

B Urinary bladder

C Gall bladder

D Skin

Answer Key: **B**

**Q85** Cell having a spherical, eccentric nucleus giving cart wheel appearance is

:

A Pericyte

B Mast cell

C Plasma cell

D Fat cell

Answer Key: **C**

**Q86** Scapula of Ox is an example of

:

A Flat bone

B Long bone

C Short bone

D Irregular bone

Answer Key: **A**

**Q87** In which joint of Ox cruciate ligament is found

:

A Shoulder joint

B Elbow joint

C Stifle joint

D Hock joint

Answer Key: **C**

**Q88** Signet ring shaped cartilage found in the larynx of Ox is

:

A Epiglottis

B Thyroid

C Cricoid

D Arytenoids

Answer Key: C

**Q89** Which among the following is a selective COX-2 inhibitor

:

A Nimesulide

B Nabumetone

C Celecoxib

D Metamizole

Answer Key: C

**Q90** Sucralfate promotes healing of duodenal ulcer by :

:

A Enhancing gastric mucus and bicarbonate secretion

B Protective layer on ulcer and preventing the action of acid-pepsin on ulcer base

C Promote regeneration of mucosa

D Both (Enhancing gastric mucus and bicarbonate secretion) and (Protective layer on ulcer and preventing the action of acid-pepsin on ulcer base)

Answer Key: B

**Q91** Low doses of heparin causes :

:

A Increase coagulation time

B Decrease coagulation time

C Leucocytosis

D None of these

Answer Key: A

**Q92** Bromohexine acts by

:

A Inhibiting cough secretion

B Irritating gastric mucosa and reflexly increasing bronchial secretion

C Depolymerizing mucopolysaccharides present in sputum

D Desensitizing stretch receptors in the lungs

Answer Key: C

**Q93** Which of the following drug is an antiprogestin ?

:

A Gemeprost

B Megestrol

C Mifepristone

D Tamoxifen

Answer Key: C

**Q94** Absorption of oral calcium preparations can be facilitated by co-administering :

- A Antacids
  - B Vit. D
  - C Phosphates
  - D Ascorbic acid
- Answer Key: B

**Q95** Digitalis slows heart rate in congestive heart failure by :

- A Increasing vagal tone
  - B Decreasing sympathetic overactivity
  - C Direct depression of sinoatrial node
  - D All of these
- Answer Key: D

**Q96** Local anesthetic used topically to induce anaesthesia in eye -

- A Cocaine
  - B Tetracaine
  - C Hexacaine
  - D None of these
- Answer Key: A

**Q97** The Anti-fungal drug, which is an inhibitor of thymidylate synthetase is :

- A Griseofulvin
  - B Natamycin
  - C Flucytosine
  - D Hamycin
- Answer Key: C

**Q98** The Antiseptic activity of Dettal is due to presence of -

- A Chlorhexidine
- B Chloroxylonol
- C Chlorophores

D	All of these
Answer Key: A	

<b>Q99</b> General oedema is also known as :	
A	Passive oedema
B	Anasarca
C	False oedema
D	Renal oedema
Answer Key: B	

<b>Q100</b> The multi factorial disorder of negative energy balance is - :	
A	Ketosis
B	Transit tetany
C	Grass tetany
D	Eclampsia
Answer Key: A	

<b>Q101</b> Parturient paresis of cattle commonly seen in the deficiency of :	
A	Sodium
B	Potassium
C	Calcium
D	Iron
Answer Key: C	

<b>Q102</b> Wheat pasture poisoning is resulted due to :	
A	Myoglobinuria
B	Hypocalcaemia
C	Hypomagnesimia
D	Hypoglycemia
Answer Key: C	

<b>Q103</b> Zinc deficiency in pigs causes keratinization of epithelial cells of skin is known as :	
A	Parakeratosis
B	Hyperkeratosis

C	Halitosis
D	Sialolith
Answer Key: A	

<b>Q104</b> Hepatosis dietetica is seen in pigs due to deficiency of :	
A	Iodine
B	Selenium and Vitamin E
C	Manganese
D	Cobalt
Answer Key: B	

<b>Q105</b> White muscle disease in calf, occurs due to deficiency of :	
A	Iodine
B	Selenium and Vit E
C	Copper
D	Iron
Answer Key: B	

<b>Q106</b> Cause of Low milk fat syndrome :	
A	Heigh milk Yield
B	Over weight cow
C	Diet Low in fiber
D	Mastitis
Answer Key: C	

<b>Q107</b> The <i>B. bigemia</i> infected adult cattle remain carrier upto :	
A	2 yrs
B	3 yrs
C	5 yrs
D	7 yrs
Answer Key: A	

<b>Q108</b> Ivermeetin parentally effective in low doses for the treatment of <i>D. viviparous</i> in bovines :	
A	0.5 mg/Kg b.wt

B	0.2 mg/Kg b.wt
C	0.05 mg/Kg b.wt
D	0.1 mg/Kg b.wt
Answer Key: <b>C</b>	

<b>Q109</b> The earliest pregnancy diagnosis in cow by rectal examination can be done at :	
A	10 days
B	15 days
C	20 days
D	30 days
Answer Key: <b>D</b>	

<b>Q110</b> The length of oestrus cycle in ewe is :	
A	16-17 days
B	20-21 days
C	22-24 days
D	25-30 days
Answer Key: <b>A</b>	

<b>Q111</b> The duration of oestrus in goat is :	
A	8-19 hrs
B	20-35 hrs
C	48-60 hrs
D	62-72 hrs
Answer Key: <b>B</b>	

<b>Q112</b> Gestation length in pig is :	
A	90 days
B	114 days
C	148 days
D	160 days
Answer Key: <b>B</b>	

<b>Q113</b> The carpus leutium does not persist through out the pregnancy in :	
A	Pigs



B cows

C horses

D Goats

Answer Key: C

**Q114** The study of abnormal development and malformation in antenatal individual is known as :

A Teratology

B Embryology

C Cellular biology

D Splanchnology

Answer Key: A

**Q115** The Fetotomy is recommended to save the life of dam and to be performed :

A Outside uterus

B Inside uterus

C Both (Outside uterus) and (Inside uterus)

D None of these

Answer Key: B

**Q116** Which of the following is not assisted reproductive technique :

A Artificial Insemination

B Multiple ovulation/embryo transfer

C Invitro embryo production

D Natural service

Answer Key: D

**Q117** Wry neck posture is more commonly found :

A Mare

B Cow

C Ewe

D Bitch

Answer Key: A

**Q118** In case of cows which type of fetal mummification is seen :

A	Hematic
B	Papyraceous
C	Both (Hematic) and (Papyraceous)
D	None of these
Answer Key: A	

**Q119** The inability to protrude the penis out of prepuce sac is known as :

A	Balanitis
B	Phimosis
C	None of these
D	Orchitis
Answer Key: B	

**Q120** High percentage of abnormal spermatozoa in semen sample is known as - :

A	Aspermia
B	Azoospermia
C	Oligozoospermia
D	Teratozoospermia
Answer Key: D	

**Q121** Androgens are produced by :

A	Lutein cells
B	Leydig cells
C	Sertoli cells
D	Theca interna cells
Answer Key: B	

**Q122** Testicular hypoplasia is :

A	Congenital
B	Acquired
C	Pyometra
D	None of these
Answer Key: A	

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**Q123** Document compelling the attendance of a witness in a "Court of Law" under a penalty

:

A Request letter by police

B Summons

C Both (Request letter by police) and (Summons)

D None of these

Answer Key: **B**

**Q124** Documentary evidence includes -

:

A Certificates

B Veterolegal reports

C Both (Certificates) and (Veterolegal reports)

D None of these

Answer Key: **C**

**Q125** Types of witness:

:

A Common witness

B Hostile

C Expert witness

D All of these

Answer Key: **D**

**Q126** Forensic laboratory for zoo and wild animals in M.P is located at

:

A NDVSVU, Jabalpur

B Sagar

C Bhopal

D Gwalior

Answer Key: **A**

**Q127** Wounds produced by sharp objects is known

:

A Incised wound

B Bruises wound

C Lacerated wound

D Punctured wound

Answer Key: **A**

**Q128** The wound having two opening , viz. One at the entrance and another at the exit:

:

- |   |               |
|---|---------------|
| A | Gunshot       |
| B | Penetrating   |
| C | Punctured     |
| D | None of these |

Answer Key: **A**

**Q129** Postmortem findings suggestive death by drowning

:

- |   |                                   |
|---|-----------------------------------|
| A | White froths in mouth and nostril |
| B | Early rigor mortis                |
| C | Oedematous lungs                  |
| D | All of these                      |

Answer Key: **D**

**Q130** Adulteration of any article in food or drink is punishable under section:

:

- |   |         |
|---|---------|
| A | 272 IPC |
| B | 193 IPC |
| C | 377 IPC |
| D | 274 IPC |

Answer Key: **A**

**Q131** Adulteration of any drug or medical preparation is punishable under section :

:

- |   |         |
|---|---------|
| A | 274 IPC |
| B | 193 IPC |
| C | 377 IPC |
| D | 172 IPC |

Answer Key: **A**

**Q132** Intentionally giving false evidence in any stage of judicial proceeding is punishable under section

:

- |   |         |
|---|---------|
| A | 193 IPC |
| B | 178 IPC |
| C | 377 IPC |
| D | 172 IPC |

Answer Key: A

**Q133** Following is/are visual requirement of a good diagnostic radiograph  
:

- A Excellent details
- B Correct density
- C All of these
- D Proper scale of contrast

Answer Key: C

**Q134** Pulse - echo Principle is used in  
:

- A X-ray
- B C T Scan
- C Ultra sound imaging
- D MRI

Answer Key: C

**Q135** Parkar-kerr suturing pattern is associated with  
:

- A Small intestine anastomosis
- B Herniorrhaphy
- C Hernioplasty
- D None of these

Answer Key: A

**Q136** The following suture is used to narrow and constrict lumen of hollow organ  
:

- A Eversion Suture
- B Inversion suture
- C Purse-string suture
- D Apposition suture

Answer Key: C

**Q137** Ultra sound of superficial parts like tendon requires transducer of:  
:

- A 1-10 MHZ
- B 11-15 MHZ
- C 16-20 MHZ
- D 21-25 MHZ

Answer Key: **A**

**Q138** The objectives of docking of tail is  
:

- |   |                                         |
|---|-----------------------------------------|
| A | To improve the appearance of the animal |
| B | Injury or neoplasm of the tail          |
| C | Tail gangrene                           |
| D | All of these                            |

Answer Key: **D**

**Q139** Dehorning is done for following reasons, except  
:

- |   |                                       |
|---|---------------------------------------|
| A | To make the animal attractive         |
| B | To make the animal less dangerous     |
| C | In certain disease like horn cancer   |
| D | To hide the breed character of animal |

Answer Key: **D**

**Q140** Commonly used Knot for temporary fastening for surgical restraint  
:

- |   |                |
|---|----------------|
| A | Over hand Knot |
| B | Square knot    |
| C | Surgeon's Knot |
| D | All of these   |

Answer Key: **D**

**Q141** In gel electrophoresis, which of the following is used  
:

- |   |                     |
|---|---------------------|
| A | Agar agar powder    |
| B | Poly acrylamide gel |
| C | Blood agar          |
| D | Nacl                |

Answer Key: **B**

**Q142** PCR is invented by  
:

- |   |               |
|---|---------------|
| A | Karry B mulis |
| B | R.Koch        |
| C | L.Pasteure    |

D	None
Answer Key: <b>A</b>	

<b>Q143</b> DNA probes are :	
A	Short segments of ssDNA not complementary to the desired gene
B	Short segments of dsDNA not complementary to the desired gene
C	Short segments of ssDNA complementary to the desired gene
D	Short segments of dsDNA complementary to the desired gene
Answer Key: <b>C</b>	

<b>Q144</b> In Real Time PCR system, visualization of amplified product is achieved :	
A	UV transilluminator
B	Computer monitor
C	Upon electrophoresis
D	All of these
Answer Key: <b>B</b>	

<b>Q145</b> Ribotyping is extensively used for identifying pathogens :	
A	Bacteria
B	Fungus
C	Virus
D	Parasites
Answer Key: <b>A</b>	

<b>Q146</b> Plasmid profiling is an important characterizing marker associated with. :	
A	Antibiotic resistance
B	Temperature resistance
C	Oxygen resistance
D	pH resistance
Answer Key: <b>A</b>	

<b>Q147</b> DNA sequencing can be described as :	
A	Primer hybridization
B	Sequence reaction and detection

C	Data analysis
D	All of these
Answer Key: <b>D</b>	

<b>Q148</b> Labelled DNA probe and a previously fragmented DNA template hybridization can be detected by :	
A	Southern blotting
B	Northern blotting
C	Western blotting
D	Eastern blotting
Answer Key: <b>A</b>	

<b>Q149</b> DNA molecules has an important analytical features - :	
A	Recognition properties
B	Stability and flexibility
C	Sequence feature
D	All of these
Answer Key: <b>D</b>	

<b>Q150</b> Fluorescent labelling dye used in quantitative Real Time PCR are - :	
A	Syber green
B	TaqMan
C	Quenched probe
D	All of these
Answer Key: <b>D</b>	