

MIZORAM PUBLIC SERVICE COMMISSION

GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF JUNIOR GRADE OF MAH & VS (VETERINARY OFFICER) (CONTRACT) UNDER ANIMAL HUSBANDRY AND VETERINARY SCIENCE DEPARTMENT NOVEMBER, 2021

AH & VETY PAPER - III

Time Allowed : 2 hours

Full Marks : 200

*All questions carry equal marks of 2 each.
Attempt all questions.*

- All surgical wounds are:
 - Aseptic wound
 - Septic wound
 - Contaminated wound
 - Infected wound
- Which of the following cranial nerves is responsible for gustation?
 - Glossopharyngeal
 - Olfactory
 - Trochlear
 - None of these
- Endotoxaemia in animal produces:
 - Neutrophilia
 - Leucocytosis
 - Neutropenia
 - Leukopenia
- How many farrowing a LWY sow usually give in a year when the weaning of piglet is done at 45 days and the weaning to conception interval is 5 days?
 - 2.50
 - 2.23
 - 2.00
 - 2.35
- Emergency sterilization of surgical instruments is carried out at:
 - 120°C for 13 minutes
 - 131°C for 1 minute
 - 131°C for 3 minutes
 - 121°C for 15 minutes
- Intervertebral discs are formed by which type of cartilage:
 - Fibrocartilage
 - Elastic cartilage
 - Hyaline
 - All of these
- Immediate treatment of anaphylaxis in farm animals involves the use of:
 - Antihistamines
 - Adrenaline
 - Corticosteroids
 - Polyionic fluids
- During estrus the ovary will have a:
 - Fully developed CL
 - Graafian follicle
 - Developing CL
 - None of these
- The commonly made metal implants are the alloy of:
 - Cobalt
 - Titanium
 - Chromium
 - All of these
- The opening in the centre of the diaphragm.
 - Aortic hiatus
 - Oesophageal hiatus
 - Caval foramen
 - All of these

11. Ballottement is nothing but:

- (a) Palpation
- (b) Percussion
- (c) Combination of the above two (a) & (b)
- (d) None of these

12. Metestrual bleeding occurs in:

- (a) Mare
- (b) Bitch
- (c) Cow
- (d) None of these

13. The approximate absorption time for Chromic Catgut inside the body is:

- (a) 90 days
- (b) 20 days
- (c) 30 days
- (d) 10 days

14. The spinal cord leaves the skull through.

- (a) Foramen magnum
- (b) Foramen spinosum
- (c) Foramen rotundum
- (d) None of these

15. Abnormally increased appetite is:

- (a) Hyperorexia
- (b) Anorexia
- (c) Polydipsia
- (d) Polyphagia

16. Uterus is susceptible to infection in which phase?

- (a) Luteal phase
- (b) Follicular phase
- (c) Proestrus
- (d) Estrus

17. Normal SPO₂ in inhalant anaesthesia should be:

- (a) 70 - 80%
- (b) 80 - 90%
- (c) 90 - 95%
- (d) more than 100%

18. Dropped elbow occur due to the paralysis of:

- (a) Ulnar nerve
- (b) Radial nerve
- (c) Median nerve
- (d) Suprascapular nerve

19. If the Skin Fold Test persist for 6-10 seconds in dehydrated animals, the fluid requirement to replace volume deficit is:

- (a) 50-80 ml/kg body weight
- (b) 30-50 ml/kg body weight
- (c) 20-25 ml/kg body weight
- (d) 10-20 ml/kg body weight

20. Cytobrush technique is used to diagnose:

- (a) Salpingitis
- (b) Ovaritis
- (c) Subclinical endometritis
- (d) Pyometra

21. Xylazine HCl should not be administered in cat because it causes:

- (a) Coma
- (b) Respiratory failure
- (c) Heart block
- (d) Emesis

22. Common opening for respiratory and digestive system.

- (a) Oropharynx
- (b) Laryngopharynx
- (c) Larynx
- (d) Nasopharynx.

23. Grunting sound in the fore stomach of ruminant is heard due to:

- (a) Bloat
- (b) Impaction
- (c) TRP
- (d) None of these

24. Anovulation can be treated by:

- (a) Oxytocin
- (b) FSH
- (c) GnRH
- (d) PGF₂alpha

25. The nerve block used to perform surgery of penis in cattle is:
- (a) Paravertebral nerve block
 - (b) Pudendal nerve block
 - (c) Epidural anaesthesia
 - (d) None of these
26. Stenson's duct opens opposite to:
- (a) 2nd lower molar
 - (b) 2nd upper molar
 - (c) 2nd upper incisor
 - (d) 2nd lower incisor
27. Sudden onset of circling, head pressing and apparent blindness in high yielding cattle after parturition can occur in:
- (a) Vitamin A deficiency
 - (b) Early stage of milk fever
 - (c) Ketosis
 - (d) None of these
28. Pregnancy in canine can be terminated by using:
- (a) Prolactin
 - (b) Mifepristone
 - (c) Proligestone
 - (d) Chlormadion acetate
29. Finding of Bulls eye appearance of intestine in USG indicates:
- (a) Intussusception
 - (b) Intestinal obstruction with foreign bodies
 - (c) Ileus
 - (d) Strangulation of intestine
30. Point of elbow is form by:
- (a) Tuber calsis
 - (b) Olecranon process
 - (c) Radial process
 - (d) None of these
31. The curled toe paralysis in poultry is observed in deficiency of:
- (a) Vitamin B6
 - (b) Vitamin B2
 - (c) Vitamin B1
 - (d) Vitamin B12
32. It is a posterior longitudinal presentation, dorso-sacral position, bilateral hip flexion posture.
- (a) Dog sitting posture
 - (b) Dorsal transverse
 - (c) Vertex presentation
 - (d) Breech presentation
33. The unit of CT scan is known as:
- (a) Tesla
 - (b) Hounsfield
 - (c) Roentgen
 - (d) Grey
34. Gall bladder is absent in which animal?
- (a) Mare
 - (b) Bitch
 - (c) Sow
 - (d) Queen
35. Commonly presented clinical signs of eclampsia in bitches are:
- (a) Bradycardia, convulsions, vomiting
 - (b) Hypothermia, recumbency, salivation
 - (c) Stiff gait, panting, hyperthermia, muscle tremors
 - (d) Aimless walking, somnolence, fever
36. To detort right side uterine torsion a cow should be rolled towards:
- (a) Left
 - (b) Right
 - (c) Both right and left
 - (d) None of these
37. The frequency of USG used in medium sized dogs to examine the liver is:
- (a) 3-4 MHz
 - (b) 7.5-10 MHz
 - (c) 100 MHz
 - (d) 5 MHz
38. The valves in the heart when they shut cause the second heart sound-“dub or S2”.
- (a) Tricuspid valve
 - (b) Bicuspid valve
 - (c) Semilunar valve
 - (d) None of these

39. "Creeper cow" posture is seen in:
- (a) Fat cow disease
 - (b) Milk fever
 - (c) Downer's cow syndrome
 - (d) Paralytic myoglobinuria
40. In mummified fetus the middle uterine artery of dam is:
- (a) Reduce in size
 - (b) Enlarged as in the case pregnancy
 - (c) Enlarged but no throbbing
 - (d) None of these
41. Injury of tendon is known as:
- (a) Bursitis
 - (b) Sprain
 - (c) Strain
 - (d) Tenosynovitis
42. The optimum auscultation site of the heart in animal is between:
- (a) 1st and 2nd intercostal space
 - (b) 2nd and 3rd intercostal space
 - (c) 3rd and 4th Intercostal space
 - (d) 4th and 5th intercostal space
43. Chorea is sequela of which disease:
- (a) Rabies
 - (b) Parvo virus infection
 - (c) Canine distemper
 - (d) Canine hepatitis
44. The time required for involution of the uterus in cow is about:
- (a) 45 days
 - (b) 90 days
 - (c) 30 days
 - (d) 25 days
45. Fracture site when communicate with the environment is known as:
- (a) Simple fracture
 - (b) Complete fracture
 - (c) Compound fracture
 - (d) Incomplete fracture
46. Side kick of Horse is restricted by:
- (a) Pubo-femoral ligament
 - (b) Round ligament
 - (c) Sesamoiddean ligament
 - (d) Cruciate ligament
47. Which of the following drug can be safely used to treat Giardiasis in dogs?
- (a) Ivermectin
 - (b) Fenbendazole
 - (c) Albendazole
 - (d) Metronidazole
48. The pyometra in canine may be due to prolonged exposure of uterus to _____ hormone.
- (a) FSH
 - (b) LH
 - (c) Prolactin
 - (d) Progesterone
49. In close method of intramedullary pinning the pin is driven blindly by palpating the fracture site is known as:
- (a) Retrograde pinning
 - (b) Normograde pinning
 - (c) Interlocking nailing
 - (d) None of these
50. In which species of the following, pubic bone doesn't take part in the formation of acetabulum:
- (a) Rabbit
 - (b) Pig
 - (c) Dog
 - (d) Cow
51. Which type of vaccines should not be given in pregnant animals?
- (a) Metabolic toxoids
 - (b) Live attenuated vaccines
 - (c) Inactivated or killed vaccines
 - (d) Both (b) & (c)
52. Placenta in cow is usually expelled after parturition in about:
- (a) 3-8 hours
 - (b) 8-12 hours
 - (c) 1-3 hours
 - (d) 12-15 hours

- 53.** Common cause of cataracts in dogs is due to:
- (a) Flea/tick medications
 - (b) Heartworm preventives
 - (c) Vaccines
 - (d) All of these
- 54.** Shell membrane secreting portion of oviduct is:
- (a) Infundibulum
 - (b) Magnum
 - (c) Uterus
 - (d) Isthmus
- 55.** Drug of choice in treatment of anaplasmosis in cattle is:
- (a) Streptopenicillin
 - (b) Oxytetracycline
 - (c) Diminazine aceturate
 - (d) Gentamicin
- 56.** Optimum temperature for preservation of boar semen in liquid state is:
- (a) 15-18 °C
 - (b) 8-10 °C
 - (c) 4-6 °C
 - (d) 1-3 °C
- 57.** Silent thief of sight is known as:
- (a) Corneal opacity
 - (b) Glaucoma
 - (c) Cataract
 - (d) All of these
- 58.** Which muscle flexes the hock?
- (a) Anterior tibialis
 - (b) Biceps femoris
 - (c) Gastrocnemius
 - (d) None of these
- 59.** Haemoglobinuria is seen in:
- (a) Theileriosis
 - (b) Pasturellosis
 - (c) Salmonellosis
 - (d) Babesiosis
- 60.** Thawing of frozen semen straw of bull is done for 15-30 second at:
- (a) 20°C
 - (b) 5°C
 - (c) 45°C
 - (d) 37°C
- 61.** Thoracic surgery requires:
- (a) General anaesthesia
 - (b) IPPV
 - (c) Injectable anaesthesia
 - (d) Oxygen supply
- 62.** Basement membranes of seminiferous tubules is endowed with:
- (a) Spermatogonia.
 - (b) Leydig cells
 - (c) Sertoli cells
 - (d) Primary Spermatoocytes
- 63.** As per The Mizoram Animal (Control & Taxation) Act, 2014, If a vicious animal attacks a person, the owner of the animal shall be liable to pay:
- 1) for the medical treatment of the victim as advised by a doctor
 - 2) a fine of five hundred rupees to the victim
- (a) option (1) only
 - (b) option (2) only
 - (c) all of these
 - (d) none of these
- 64.** Which is not the boar semen extender?
- (a) BTS
 - (b) D2
 - (c) Kiev
 - (d) Androheps
- 65.** Hypotension following surgery results from:
- (a) Pneumothorax
 - (b) Hypocalcaemia
 - (c) Internal haemorrhage
 - (d) All of these

66. Myoepithelial cells are found in:
- (a) Intestine
 - (b) Trachea
 - (c) Mammary gland
 - (d) Oesophagus
67. Falsification of meat is detected by:
- (a) Colour of meat, iodine value of fat, refractive index
 - (b) Phytosterol acetate test, physical examination
 - (c) Physical examination, starch test, Boudouin test
 - (d) Specific gravity, precipitation test, Rose-Bengal dye test
68. Impotentia generandi associated with apparently normal semen.
- (a) Cryptorchidism
 - (b) Brucellosis
 - (c) Phimosis
 - (d) All of these
69. Most of the umbilical hernias can be primarily closed with:
- (a) Horizontal mattress suture
 - (b) Simple interrupted suture
 - (c) Tension relieving suture patterns
 - (d) All of these
70. The vaginal cytology during estrus in bitch is dominated by:
- (a) Parabasal cells
 - (b) Intermediate cells
 - (c) Superficial cells
 - (d) Basal cells
71. Which of the following is a characteristics of post mortem wound?
- (a) Absence of inflammation/reparative process
 - (b) Gaping of edges
 - (c) Copious arterial haemorrhage
 - (d) Sprouting of blood from arteries
72. Curd like semen is found in:
- (a) Orchitis
 - (b) Prostatitis
 - (c) Vesiculitis
 - (d) Epididymitis
73. Laparotomy Incision site in large animal for intestinal obstruction is in the:
- (a) Left flank
 - (b) Right flank
 - (c) Caudal midline
 - (d) All of these
74. Bestiality is punishable under section:
- (a) IPC 377
 - (b) IPC 428
 - (c) IPC 429
 - (d) IPC 420
75. Bilateral cryptorchid animals are:
- (a) Fertile
 - (b) Infertile
 - (c) Sterile
 - (d) Normal
76. A man wants to reach a window which is 12 feet above the ground. The distance from the foot of the ladder to the wall is 5 feet. How long should the ladder be?
- (a) 11 feet
 - (b) 20 feet
 - (c) 13 feet
 - (d) 14 feet
77. How many five-digit prime numbers can be obtained by using all the digits 1, 2, 3, 4 and 5 without repetition of digits?
- (a) Zero
 - (b) One
 - (c) Nine
 - (d) Ten

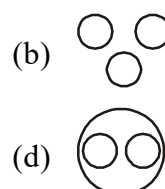
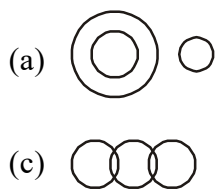
78. A simple mathematical operation in each number of the sequence 14, 18, 20, 24, 30, 32, results in a sequence with respect to prime numbers. Which one of the following is the next number in the sequence?
 (a) 34 (b) 36
 (c) 38 (d) 40
79. Consider the following arrangement that has some missing letters:
 abab_b_bcb_dcdcded_d
 The missing letters which complete the arrangement are
 (a) a, b, c, d (b) a, b, d, e
 (c) a, c, c, e (d) b, c, d, e
80. Let A3BC and DE2F be four-digit numbers where each letter represents a different digit greater than 3. If the sum of the numbers is 15902, then what is the difference between the values of A and D?
 (a) 1 (b) 2
 (c) 3 (d) 4
81. If MINERAL is written as QRSTUVW and SOUND is written as ABCSD then how will be READER will be written as
 (a) QDZCDQ (b) TUDVUD
 (c) UTVDTU (d) SBFWS
82. H.C.F. of 513, 1134 and 1215 is
 (a) 18 (b) 27
 (c) 33 (d) 36
83. Which number would fill the empty space in the series; 4, 7, 12, 19, ____, 39?
 (a) 28 (b) 26
 (c) 24 (d) 22

84. Consider the following data:

	Average marks in English	Average marks in Hindi
Girls	9	8
Boys	8	7
Overall average marks	8.8	X

What is the value of X in the above table?

- (a) 7.8 (b) 7.6
 (c) 7.4 (d) 7.2
85. A man walks down the backside of his house straight 25 meters, then turns to the right and walks 50 meters again; then he turns towards left and again walks 25 meters. If his house faces to the East, what is his direction from the starting point?
 (a) South-East (b) South-west
 (c) North-East (d) North-west
86. Which of the following diagrams indicates the best relation between Travelers, Train and Bus?



87. The average weight of 8 women increases by 2.5 kg when a new women replaces one of them weighing 65 kg. Find the weight of the new women.
- (a) 20 (b) 85
(c) 67 (d) 80
88. A man takes half time in rowing a certain distance downstream than upstream. What is the ratio or the speed in still water to the speed of current?
- (a) 1 : 2 (b) 2 : 1
(c) 1 : 3 (d) 3 : 1
89. A vessel full of water weighs 40 kg. If it is one-third filled, its weight becomes 20 kg. What is the weight of the empty vessel?
- (a) 10 kg (b) 15 kg
(c) 20 kg (d) 25 kg
90. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?
- (a) Brother (b) Uncle
(c) Cousin (d) Father
91. If $A + B$ means A is the mother of B; $A - B$ means A is the brother B; $A \% B$ means A is the father of B and $A \times B$ means A is the sister of B, which of the following shows that P is the maternal uncle of Q?
- (a) $Q - N + M \times P$ (b) $P + S \times N - Q$
(c) $P - M + N \times Q$ (d) $Q - S \% P$
92. 12% of 1300 = ?
- (a) 480 (b) 140
(c) 156 (d) 180

Directions (Questions No. 93 to 95) : Study the following information carefully and answer the questions given below:

Centre	Officer	Clerk	Field Officer	Supervisor	Specialist Officer
Bangalore	2000	5000	50	2050	750
Delhi	15000	17000	160	11000	750
Mumbai	17000	19500	70	7000	900
Hyderabad	3500	20000	300	9000	1150
Kolkata	14900	17650	70	1300	1200
Lucknow	11360	15300	30	1500	650
Chennai	9000	11000	95	1650	500

93. In Kolkata, number of Specialist Officers is approximately what percent of that Officers?
- (a) 8.7% (b) 9%
(c) 6.5% (d) 8%
94. Which centre has 300% more number of clerks as compared to Bangalore?
- (a) Lucknow (b) Mumbai
(c) Hyderabad (d) Chennai
95. Which centre has the highest number of candidates?
- (a) Delhi (b) Kolkata
(c) Hyderabad (d) Mumbai

96. A said to B, "I am 15 years older than you. After 5 years my age will be double of your age." Then the present age of A is
- (a) 10 years (b) 15 years
(c) 20 years (d) 25 years
97. TAILOR : SUIT
- (a) scheme : agent (b) edit : manuscript
(c) revise : writer (d) architect : building
98. First bunch of bananas has $\frac{1}{4}$ again as many bananas as a second bunch. If the second bunch has 3 bananas less than the first bunch, then the number of bananas in the first bunch is
- (a) 9 (b) 10
(c) 12 (d) 15
99. Mohan starts from his house and walks 4 km. straight. He then turns towards his right and walks 2 kms. He turns again to his right and walks 2 kms. If he is North West now, then in which direction did he start in the beginning?
- (a) North (b) South
(c) North-West (d) West
100. Last Year, there were 720 crimes committed in the ninth precinct. These crimes involved theft, rape, and drugs in the ration of 4:2:3, how many crimes involved drugs?
- (a) 80 (b) 160
(c) 240 (d) 320

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