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6

Total Number of Pages 16

B.V.Sc. & A.H. (Fourth Professional) Examination – 2022

Veterinary Gynaecology and Obstetrics Paper-II

(MSVE 2016)

To be filled by the candidate:

Candidate's Roll Number:

In figure

In words

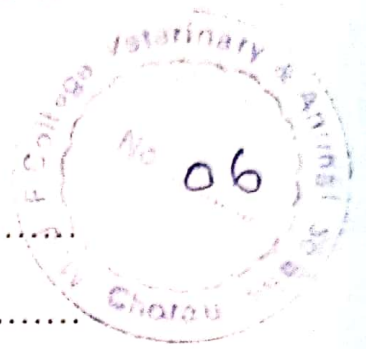
Candidate's Enrolment Number:

Day and date of examination:

Please see for general instructions overleaf.

Signatures of invigilators verifying the details filled by the candidate

Signature of invigilator 1: 2:



Sample
Candidate should not write anything below this line

Marks to be filled by the examiner:

Section A	
Q. No.	Marks
1.	
2.	
3.	
4.	
5.	
Total	

Total Marks obtained:

In figures: In words:

Signature of examiner:

INSTRUCTIONS TO THE CANDIDATES

1. The invigilator and the members of the Flying Squad are empowered to take search of the examinees during the examinations.
2. Candidate should read the question paper and the instructions carefully before they begin to write answers.
3. The candidate will not be allowed to leave the examination hall before one hour from the end of the examination time.
4. Write on the cover page all the required entries correctly and get the signature of the invigilators.
5. Write legibly in the space provided for answer of each questions/sub-questions according to instruction given in the question paper booklet (question paper).
6. Do not write your name on any part of the question paper / answer booklet.
7. Do not leave examination hall without handing over question paper / answer booklet to the invigilator incharge.
8. No leaves should be torn out of the question paper / answer booklet.
9. Candidate attempting to use unfair means or talking to one another will be dealt with severely as per unfair means rules.
10. No written paper or book notes etc. should be brought to examination hall.
11. Total number of pages of question paper / answer booklet be checked before writing.
12. Candidate should not bring in any article other than pens and admit card. Use of Mobiles, calculators on any other electronic device in the examination hall is strictly prohibited.

SPACE FOR ROUGH WORK

B.V.Sc. & A.H. (Fourth Professional) Examination – 2022

Veterinary Gynaecology and Obstetrics Paper-II

Time: Three Hours

Maximum Marks: 100

Weightage: 20

Unit-2 (Veterinary Obstetrics)

Unit-3 (Veterinary Andrology and A.I.)

Instructions:

- 1) Attempt all questions
- 2) Answer of all questions is to be written in the space provided along with the question in question-booklet.
- 3) Overwriting is not allowed in the objective type question.

Q.1 Fill in the blanks. (20x0.5 = 10)

- 1.1 The uterine incision is to be close at _____ end of uterus.
- 1.2 The post-partum lochia is green colour in bitch which is due to presence of _____.
- 1.3 The length of second stage of parturition is _____ in mare.
- 1.4 The abortion due to trichomoniasis occurs at _____ month of gestation in cow.
- 1.5 The typical cervical star is present in the placenta of _____.
- 1.6 Non/partially dilated cervix causing dystocia in ewes is called _____.
- 1.7 Vaginal spiral folds have diagnostic value for _____.
- 1.8 Surgical correction employed for pneumovagina in mare is known as _____.
- 1.9 The cuboni test is to be performed for diagnosis of pregnancy at _____ days of gestation in mare.
- 1.10 Normal position of bovine foetus at the time of calving is _____.
- 1.11 Testosterone is secreted by _____ cell of testes.
- 1.12 Name of the powder used to seal laboratory end of the straw is _____.

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- 1.13 The gestation length of camel is _____
- 1.14 The primary sex organs of bull is _____ species.
- 1.15 Sticker tumour is mostly seen _____ species.
- 1.16 The sigmoid flexure is pre scrotal in _____ in dog.
- 1.17 The location of scrotum is _____
- 1.18 _____ (species) penis points posteriorly in the relaxed stage.
- 1.19 The ampulla is well developed in _____ species.
- 1.20 The greenish colour of semen indicate _____

Q.2 Choose the most suitable answer and write the number of the correct answer 1 or 2 or 3 or 4 in the space given against each sub question: (20x0.5 = 10)

- 2.1 Yolk sac placenta is function in cows up to ()
1. 90 days
 2. 100 days
 3. Very few days
 4. 220 days
- 2.2 Which hormone is reliable to diagnose the pregnancy in bitch ()
1. Progesterone
 2. Estrogen
 3. Relaxin
 4. Prolactin
- 2.3 The enzymes that converts placentally derived progesterone to estrogen before parturition ()
1. 17 α Hydroxylase
 2. 17 β hydroxylase
 3. Aromatase
 4. Phospholipase A2
- 2.4 In Canine Pyometra ()
1. Decrease in serum urea nitrogen
 2. Decrease in albumin level
 3. Increase packed cell volume
 4. All of the above
- 2.5 Which of the following is correct for amniotic fluid ()
1. Clear, watery and amber in color
 2. Clear, colorless and slight yellow
 3. Cloudy, yellowish and viscid
 4. None

- 2.6 The haematic type of mummification seen in ()
1. Cattle and Buffalo
2. Mare and Donkey
3. Ewe and Doe
4. Dog and Cat
- 2.7 The oozing of waxing from teat before 2 days of parturition in ()
1. Cow
2. Buffalo
3. Mare
4. Ewe
- 2.8 The 'cocking of the tail' behavior is seen in the pregnancy of ()
1. Mare
2. Cow
3. Camel
4. Bitch
- 2.9 The fremitus can be felt at ()
1. 75 day to 90 days
2. 90 to 120 days
3. 150 to 180 days
4. 50 to 60 days
- 2.10 Which type of dystocia are more common in cow? ()
1. Fetal type
2. Maternal type
3. Environment effect
4. None of the above
- 2.11 The gland in which fructose is produced ()
1. Prostate
2. Seminal vesicles
3. Bulbo-urethral
4. All of the above
- 2.12 Musculocavernous type penis is observed in ()
1. Bull
2. Pig
3. Stallion
4. All of the above
- 2.13 Terminology used for the high per cent of abnormal sperms? ()
1. Teratozoospermia
2. Aspermia
3. Asthenozoospermia
4. Necrozoospermia
- 2.14 The penile protrusion is followed by ()
1. Erection
2. Mounting
3. Intromission
4. Pelvic thrust

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- 2.15 Test used to know the functional integrity of sperm membrane ()
1. Sperm mucus penetration test
2. Hamster egg penetration test
3. Hypo osmotic swelling test
4. Acrosomal test
- 2.16 The secretion of the gland which aids in flushing of urethra in bull ()
1. Ampulla
2. Seminal vesicle
3. Prostate
4. Bulbourethral gland
- 2.17 The characteristics of semen collected from electro ejaculation method is ()
1. Less in volume and more concentrated
2. Normal Volume and Less concentration
3. More volume and Less concentrated
4. None ()
- 2.18 Shape of the sperm head in rat ()
1. Ovoid
2. Hook
3. Elongated
4. Round
- 2.19 Inositol present in seminal vesicle secretion of which animal ()
1. Boar
2. Bull
3. Stallion
4. Ram
- 2.20 The vesicular secretion of bull is _____ in color ()
1. White
2. Blue
3. Yellow
4. None of the above

Q.3 Attempt any ten out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10x2.0= 20)

3.1. Wondering of ovum

.....
.....
.....

3.2 Superfetation

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.....
.....

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3.3 Sub-involution of placental sites

3.4 Hysterocele

3.5 Fetotomy

3.6 Breech Presentation

3.7 Thawing

3.8 Puberty

Do not write across this line

3.9 Flehmen reaction

3.10 Balling up

3.11 Testicular hypoplasia

3.12 Reaction time

Q.4 Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. (6 x 6.0 = 36)

4.1 Prolapse in bovine

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4.2 Uterine inertia in Bitch .

4.3 Differential diagnosis between hydroamnion and hydroallantois

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4.4 Explain the principle of cryopreservation of bull semen

4.5 Semen collection methods in bull

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4.6 Advantages and limitations of AI.

4.7 Precopulatory behaviour in bull

4.8 Spermatogenesis

Q.5 Answer the following question in 1-2 pages (attempt any two). (2x12.0 = 24)

Long question should preferably have sub divisions. Please indicate weightage of marks for subdivisions in each long question.

- 5.1 (A) Discuss the mechanism of parturition in cattle. (6 Marks)
(B) Explain in brief the events associated during puerperium (6 Marks)
- 5.2 (A) What is uterine torsion and how to diagnose it? (6 Marks)
(B) Explain the modified Schaffers method for relieving uterine torsion condition. (6 Marks)
- 5.3 (A) Enlist various causes of infertility in bull (6 Marks)
(B) Describe Impotentia Coeundi (6 Marks)