

Subject: Veterinary Gynaecology and Obstetrics

1. The corpus luteum that develops immediately after ovulation is called as
 - a) Corpus nigrum
 - b) Corpus albicans
 - c) Corpus haemorrhagicum
 - d) Corpus luteum verum

2. The ovary is bean or kidney shaped in
 - a) Pig
 - b) Dog
 - c) Sheep
 - d) Mare

3. In cattle, ovulation occurs at
 - a) 10-12 hrs after onset of estrus
 - b) 10-12 hrs after end of estrus
 - c) 10-12 hrs before onset of estrus
 - d) 10-12 hrs after onset of proestrus

4. Sterile heifer born co-twin to a bull in heterozygous pregnancy is referred as
 - a) Uterus unicornis
 - b) White heifers disease
 - c) Uterus didelphys
 - d) Freemartin

5. The type of uterus in mare is called as
 - a) Duplex uterus
 - b) Bicornuate uterus
 - c) Cruciform shaped
 - d) Simplex uterus

6. The duration of estrum in mare is
 - a) 5-6 days
 - b) 12-24 hrs
 - c) 1-2 days
 - d) 10-12 hrs

7. In which species, post estral bleeding is noticed
 - a) Dog
 - b) Mare
 - c) Cattle
 - d) Cat

8. Hormone that is luteotrophic during second half of luteal phase in dogs is
 - a) Prolactin
 - b) Progesterone
 - c) Estrogen
 - d) Relaxin

9. Receptive females that assume ventral recumbency during copulation is seen in
- a) Camel
 - b) Cattle
 - c) Buffalo
 - d) Goat
10. The duration of gestation in pig is
- a) 114-116 days
 - b) 156-165 days
 - c) 60-65 days
 - d) 275-280 days
11. Species that depends on placental progesterone for maintenance of pregnancy is
- a) Cattle
 - b) Goat
 - c) Buffalo
 - d) Mare
12. The most common ovarian tumor in cattle is
- a) Nabothian cyst
 - b) Granulosa cell tumour
 - c) Parovarian cyst
 - d) Cystic CL
13. Which reproductive hormone synthesis is affected by negative energy balance
- a) FSH synthesis
 - b) LH synthesis
 - c) Prolactin synthesis
 - d) Relaxin synthesis
14. In dogs, ovariohysterectomy during diestrus induces an episode of
- a) Pseudopregnancy
 - b) Pyometra
 - c) SIPS
 - d) Hypoluteoidism
15. The type of placenta seen in dogs is
- a) Cotyledonary type
 - b) Diffuse type
 - c) Zonary type
 - d) Discoid type
16. Diffuse type of placentation is seen in
- a) Cattle
 - b) Sheep
 - c) Goat
 - d) Mare

17. The test that is used to detect/assess the patency of fallopian tube is

- a) PSP dye test
- b) Uterine lavage test
- c) Fincher's test
- d) Cuboni test

18. Cyst of the cervix in cattle is called as

- a) Follicular cyst
- b) Luteal cyst
- c) Nabothian cyst
- d) Cystic CL

19. The dose of vincristine sulphate used to treat TVT in dogs is

- a) 0.025g/kgbw
- b) 0.025mg/kgbw
- c) 0.25g/kgbw
- d) 2.5g/kgbw

20. Brucella infection in cattle causes abortion at

- a) 1-2 months of pregnancy
- b) 2-3 months of pregnancy
- c) 6-9 months of pregnancy
- d) 3-4 months of pregnancy

21. The site of fertilization of the gametes in domestic animals is

- a) Infundibulum
- b) Internal Os of cervix
- c) Uterus
- d) Ampullary-Isthmic Junction

22. The dose of PMSG for superovulation in cattle is

- a) 2500-3000 mg
- b) 2500-3000 IU
- c) 2500-3000 mcg
- d) 4000 mcg

23. Biological test performed in immature rats for pregnancy diagnosis in mare is

- a) AscheimZondek test
- b) PSP test
- c) Fincher's test
- d) Cuboni test

24. The $PGF_{2\alpha}$ analogue present in PRAGMA is

- a) Dinoprostromethamine
- b) Tiaprost
- c) Luprostiol
- d) Cloprostenol

25. A cloudy and grey foetal cornea, without emphysema, indicates that the fetus has been dead for

- a) 1-2 hours
- b) 6-12 hours
- c) 24-36 hours
- d) 48-72 hours

26. Fetal manipulation required for correction of fetal presentation is

- a) Rotation
- b) Version
- c) Mutation
- d) Flexion

27. Species in which progesterone is solely produced from CL to maintain pregnancy?

- a) Cow
- b) Mare
- c) Goat
- d) Sheep

28. Turning the fetus on its long axis to bring it into a dorso-sacral position is

- a) Repulsion
- b) Version
- c) Rotation
- d) Extension of extremities

29. Withdrawal of fetus from dam through birth canal using outside force is called

- a) Repulsion
- b) Forced Extraction
- c) Version
- d) Rotation

30. Maternal recognition of pregnancy occurs in cattle during

- a) 12-21 days of pregnancy
- b) 11-12 days of pregnancy
- c) 16 and 19 days of pregnancy
- d) 30-45 days of pregnancy

31. Endotheliochorial type of placentation is seen in

- a) Dog
- b) Cattle
- c) Mare
- d) Sheep

32. In cattle, casting of wethers refers to

- a) Cervico-vaginal prolapse
- b) Total uterine prolapse
- c) Prolapse of rectum
- d) Vaginal prolapse

33. Endocrine-Exocrine model of MRP is seen in
- a) Mare
b) Sheep
c) Sow
d) Goat
34. After delivery, normal time taken for the calf to assume sternal recumbency is
- a) >15 min
b) 9.0 ± 3.3 min
c) 4 ± 2.2 min
d) >10 min
35. Fetal monster characterized by ventral curvature of spine and exposed thoracic and abdominal viscera is referred as
- a) Perosomuselumbis
b) Campylorrhachisscoliosa
c) Schistosomusreflexus
d) Perosomushorridus
36. After parturition, the time required for resumption of ovarian activity in cattle is around
- a) 150 days
b) 18-25 days
c) 7 days
d) 120 days
37. The time required for complete uterine involution in sow is around
- a) 50-60 days
b) 28-30 days
c) 90-120 days
d) 60-90 days
38. Relation of dorsum of fetus to the quadrants of maternal pelvis is called as
- a) Position
b) Presentation
c) Posture
d) Repulsion
39. An irregular bare spot in the chorion found over the internal os of the cervix in mare is referred to as
- a) Cervical cyst
b) Cervical tumour
c) Cervical star
d) Nabothian cyst
40. In handling dystocia, hip lock in anterior presentation results in
- a) Gluteal nerve paralysis
b) Peroneal nerve paralysis
c) Obturator nerve paralysis
d) Rupture of gastrocnemius muscle

41. In cattle, complete destruction of endometrium with fibrotic changes in the uterine wall is seen in

- a) Sclerotic metritis
- b) Puerperal metritis
- c) Endometritis
- d) Septic metritis

42. Dose of natural PGF₂α for treatment of bovine pyometra is

- a) 25mg
- b) 50 mg
- c) 75 mg
- d) 2.5 mg

43. In cattle, palpation of amniotic vesicle is considered as positive sign of pregnancy during

- a) 60-90 days of pregnancy
- b) 90-120 days of pregnancy
- c) 120-150 days of pregnancy
- d) 30-45 days of pregnancy

44. Poor quality silage feeding may be considered a potential source for

- a) Mycotic infection
- b) Listeria infection
- c) IBR-IPV infection
- d) BVD-MD infection

45. Micturition posture and winking of clitoris are common signs of estrus in

- a) Bitch
- b) Cow
- c) Sow
- d) Mare

46. Haemorrhagic edema of kidney cortex of bovine aborted fetus is pathognomic of

- a) BVD-MD
- b) Listeriosis
- c) Mucor Sp.
- d) IBR-IPV

47. Circumscribed greyish white patches in the aborted fetal skin are seen in

- a) Mycobacterium infection
- b) Mycotic abortion
- c) Blue tongue infection
- d) Marshland abortion

48. Silent estrus is more common in

- a) Cattle
- b) Pigs
- c) Buffaloes
- d) Goat

49. Following Estus, the corpus luteum is refractory to the effect of PGF₂ α for

- a) 24 hrs
- b) 72 hrs
- c) 96 hrs
- d) 5 days

50. In cattle, milk progesterone test is more reliable for diagnosing

- a) Non-pregnancy
- b) Pregnancy
- c) Mucometra
- d) Hydrometra

51. The ovary appears like a cluster of grapes because of protruding follicles and CL in

- a) Mare
- b) Sheep
- c) Goat
- d) Pig

52. Nose of fetus caught at pelvic brim with forehead entering the pelvic inlet is referred to as

- a) Poll Presentation
- b) Vertex presentation
- c) Nape presentation
- d) Foot nape posture

53. Remnants of Wolffian duct located on the ventral floor of vagina in cattle are called as

- a) Uterus unicornis
- b) Uterus masculinus
- c) Uterus didelphys
- d) Gartner's duct

54. Super ovulation in cattle can be achieved by repeated administration of

- a) FSH
- b) hCG
- c) eCG
- d) GnRH

55. Amorphous, semi solid, amber coloured, soft, pliable irregular shaped masses floating in the allantoic cavity of cattle are called as

- a) Amniotic plaques
- b) Uterine milk
- c) Hippomanes
- d) Lithopedions

56. The dose of buserelin acetate used to improve conception rates in repeat breeders is

- a) 30 μg
- b) 10 μg
- c) 50 μg
- d) 40 μg

57. Seminal vesicles is absent in

- a) Bull
- b) Sheep
- c) Buffalo
- d) Dog

58. In which species the conceptus migrates from one uterine horn to other to inhibit $\text{PGF}_{2\alpha}$ release to maintain pregnancy

- a) Cow
- b) Mare
- c) Camel
- d) Buffalo

59. Relaxation of pelvic ligaments and sinking of croup muscles are considered as signs of approaching parturition in

- a) Mare
- b) Cow
- c) Pig
- d) Dog

60. Uterine inertia is considered as the frequent cause of dystocia in

- a) Sheep
- b) Goat
- c) Dog
- d) Mare

61. The number of placentomes present in the gravid uterus of cow ranges from

- a) 150-200
- b) 30-40
- c) 75-120
- d) 50-60

62. Incidence of fetal monsters as a cause of dystocia is more commonly seen in

- a) Dog
- b) Cattle
- c) Mare
- d) Cat

63. Substance secreted by porcine conceptus which helps recognizing pregnancy is

- a) Relaxin
- b) Progesterone
- c) Interferon-tau
- d) Estrogen

64. Shortest duration of second stage of labour is observed in
- a) Caprine
 - b) Canine
 - c) Bovine
 - d) Equine
65. Surgical correction employed for chronic prolapse of vagina and wind sucking
- a) Shaeffer's method
 - b) Episiotomy
 - c) Caslick's operation
 - d) Rolling method
66. Dystocia due to one or both forelegs of the fetus being crossed over the neck is called as
- a) Nape posture
 - b) Foot nape posture
 - c) Shoulder flexion
 - d) Poll presentation
67. Posterior longitudinal presentation, dorso-sacral position with complete retention or extension of the rear limbs beneath the fetal body is referred as
- a) Nape presentation
 - b) Posterior presentation
 - c) Hock flexion
 - d) Breech Presentation
68. An imperfect zygote of dizygotic twins that is found parasitic upon the placenta of normal twin is called as
- a) Amorphous globosus
 - b) Cyclops
 - c) Perosomuselumbis
 - d) Perosomushorridus
69. The operations performed on fetus for the purpose of reducing its size either by its division or removal of certain parts is known as
- a) Mutation
 - b) Forced traction
 - c) Caesarean section
 - d) Fetotomy
70. Ferguson's reflex at the time of parturition is related with release of
- a) $\text{PGF}_{2\alpha}$
 - b) Estrogen
 - c) Oxytocin
 - d) Relaxin
71. The pH of the vagina in the bovine reproductive tract is
- a) 4.0
 - b) 8.4
 - c) 7.8
 - d) 8.0

72. The incubation period for the development of TVT in female dogs is

- a) 1 week
- b) 5-6 weeks
- c) 3 months
- d) 4 months

73. In dogs, whelping occurs at 56-68 days after the onset of

- a) Proestrus
- b) Diestrus
- c) Estrus
- d) Anestrus

74. The diameter of the mature follicle in mare is around

- a) 3-7 cm
- b) 4-7 mm
- c) 1-2 cm
- d) 7-10 mm

75. Champing of jaws and frothy salivation are considered signs of estrus in

- a) Doe
- b) Ewe
- c) Mare
- d) Sow

76. The dose of hCG for prolonged estrus in dogs is

- a) 11 IU/Kg bw
- b) 44 IU/Kg bw
- c) 66 IU/Kg bw
- d) 22 IU/Kg bw

77. At which stage of the estrous cycle, superovulation should be initiated for optimum response

- a) 1-3 days of the estrous cycle
- b) 3-5 days of the estrous cycle
- c) 9-13 days of the estrous cycle
- d) 15-17 days of the estrous cycle

78. First embryo transfer was recorded by Heape in

- a) 1910
- b) 1900
- c) 1951
- d) 1890

79. Process of introducing an exogenous gene into living organism is called as

- a) Transgenesis
- b) Mutation
- c) Stem cell research
- d) Embryo transfer

80. Process of producing similar population of genetically identical individuals is
- a) Transgenesis
 - b) Cloning
 - c) Embryo transfer
 - d) Embryo sexing
81. Ovsynch protocol was first introduced by
- a) Amantea
 - b) Pursley et al.
 - c) Polge et al.
 - d) Lazarrospalanzani
82. In ETT, the recipient should be in estrus within
- a) 12-24 hours of the donor
 - b) 48-72 hours of the donor
 - c) 72-96 hours of the donor
 - d) 24-48 hours of the donor
83. The cysts of the Wolffian duct located on the broad ligament around the ovary and oviduct is referred to as
- a) Follicular cyst
 - b) Luteal cyst
 - c) Cystic CL
 - d) Parovarian cyst
84. Cytobrush technique is more reliable than uterine lavage for diagnosis of
- a) Clinical endometritis
 - b) Subclinical endometritis
 - c) Pyometra
 - d) Septic metritis
85. In a dairy herd, the ideal pregnancy rate should be
- a) 60% on first service
 - b) 60% on second service
 - c) 90% on first service
 - d) 80% on first service
86. In a dairy herd, the ideal services per conception should be
- a) 2.5 to 2.7
 - b) 1.5 to 1.7
 - c) 3.5 to 3.7
 - d) 3.5 to 4.0
87. Rough, rasp-like corrugated vaginal mucosa is seen in
- a) Campylobacteriosis
 - b) Leptospirosis
 - c) Brucellosis
 - d) Trichomoniasis

88. Long standing cases of cystic ovarian degeneration results in
- a) Sclerotic metritis
 - b) Pyometra
 - c) Hydrometra
 - d) Puerperal metritis
89. To differentiate between follicular cyst and luteal cyst through Ultrasonography, the point of differentiation for wall thickness should be
- a) 1mm
 - b) 6 mm
 - c) 9 mm
 - d) 3 mm
90. Major androgen secreted by stallion testes is
- a) Testosterone
 - b) Androstenedione
 - c) Dihydrotestosterone
 - d) Pregnenolone
91. Presence of spines is characteristic of the penis of _____ species
- a) Dog
 - b) Bull
 - c) Tom cat
 - d) Stallion
92. The sigmoid flexure of the penis is prescrotal in
- a) Ram
 - b) Buck
 - c) Boar
 - d) Bull
93. In bulls, ideal temperature of artificial vagina at semen collection should be
- a) 52-55°C
 - b) 42-45°C
 - c) 20-30°C
 - d) 30-40°C
94. Duration of courtship and copulation is shorter in
- a) Stallion
 - b) Boar
 - c) Dog
 - d) Bull
95. Rectal copulation seen in pigs running together is referred to as
- a) Viciousness
 - b) Onanism
 - c) Masturbation
 - d) Pederasty

96. The long axis of the testis is nearly horizontal in
- a) Bull
 - b) Buck
 - c) Ram
 - d) Stallion
97. Glyceryl phosphoryl choline is secreted in high concentrations in
- a) Epididymis
 - b) Vas deferens
 - c) Ampulla
 - d) Seminal vesicles
98. Sperm cells constitute about _____ % of bull semen by volume
- a) 15%
 - b) 5%
 - c) 10%
 - d) 20%
99. Sperm cells constitute about _____ % of boar semen by volume
- a) 10-15%
 - b) 20-30%
 - c) 15-20%
 - d) 2-5%
100. The final concentration of Glycerol in Tris Egg yolk citrate diluents is
- a) 14 %
 - b) 7%
 - c) 10%
 - d) 20%
101. The percentage of egg yolk in commercial diluents should be
- a) 20%
 - b) 14 %
 - c) 10%
 - d) 7%
102. Transmissible fibropapilloma of penis is more common in
- a) Dog
 - b) Stallion
 - c) Bull
 - d) Ram
103. The yellow colour of the bull semen is due to riboflavin secreted by
- a) Cowper's gland
 - b) Seminal vesicles
 - c) Ampulla
 - d) Prostate
104. Almost 70 % of total sperms of the excurrent ducts are stored in
- a) Caput epididymis
 - b) Cauda epididymis
 - c) Corpus epididymis
 - d) Ductus deferens

105. Immediately after semen collection, semen shall be kept in water bath at
- a) 5° C
 - b) 10° C
 - c) 37° C
 - d) 15° C
106. Ruptured, fractured or broken penis is more usually observed in
- a) Boar
 - b) Bull
 - c) Stallion
 - d) Dog
107. The condition that leads to feminization of the male is
- a) Sertoli cell tumour
 - b) Leydig cell tumour
 - c) Seminoma
 - d) Pituitary tumour
108. Nil semen volume is referred to as
- a) Necrozoospermia
 - b) Azoospermia
 - c) Aspermia
 - d) Teratozoospermia
109. Inability of the penis to normally protrude through the prepuce is called
- a) Phimosis
 - b) Paraphimosis
 - c) Phallocampsis
 - d) Hypospadias
110. Large, swollen, hot and painful testis will be found in
- a) Testicular degeneration
 - b) Orchitis
 - c) Testicular hypoplasia
 - d) Testicular fibrosis
111. Deviations of the penis resulting in impotentiaceundi is called as
- a) Phallocampsis
 - b) Diphallus
 - c) Paraphimosis
 - d) Hypospadias
112. The most common tumour of the penis and prepuce in dogs is
- a) Transmissible fibropapilloma
 - b) Squamous cell carcinoma
 - c) Seminoma
 - d) Transmissible venereal tumour

113. Balanoposthitis seldom occurs in

- a) Buck
- b) Boar
- c) Bull
- d) Dog

114. The protein secreted by sertoli cells that suppresses FSH release is

- a) ABP
- b) Testosterone
- c) Activin
- d) Inhibin

115. The total length of spermatozoa of domestic animals is

- a) 10-20 microns
- b) 90-110 microns
- c) 50-70 microns
- d) 20-30 microns

116. High levels of inositol in boar semen are secreted by

- a) Epididymis
- b) Vas deferens
- c) Ampulla
- d) Seminal vesicles

117. Balling up, a condition in which the male ejaculate the semen in preputial diverticulum is observed in

- a) Stallion
- b) Boar
- c) Bull
- d) Ram

118. Spiral or corkscrew type of deviation of the penis is seen more commonly in

- a) Boar
- b) Stallion
- c) Bull
- d) Ram

119. Dystrophia adiposogenitalis syndrome in dogs refers to tumour of

- a) Scrotum
- b) Testis
- c) Adrenal cortex
- d) Pituitary

120. Eunuchoidism in dogs refers to complete lack of

- a) Ability to copulate
- b) Ability to fertilize
- c) Sexual desire
- d) Courtship behaviour

Key

1.	C
2.	D
3.	B
4.	D
5.	C
6.	A
7.	C
8.	A
9.	A
10.	A
11.	D
12.	B
13.	B
14.	A
15.	C
16.	D
17.	A
18.	C
19.	B
20.	C
21.	D
22.	B
23.	A
24.	D

25.	B
26.	B
27.	C
28.	C
29.	B
30.	C
31.	A
32.	B
33.	C
34.	C
35.	C
36.	B
37.	B
38.	A
39.	C
40.	C
41.	A
42.	A
43.	D
44.	B
45.	D
46.	D
47.	B
48.	C

49.	D
50.	A
51.	D
52.	B
53.	D
54.	A
55.	C
56.	B
57.	D
58.	B
59.	B
60.	C
61.	C
62.	B
63.	D
64.	D
65.	C
66.	B
67.	D
68.	A
69.	D
70.	C
71.	A
72.	B

73.	B
74.	A
75.	D
76.	D
77.	C
78.	D
79.	A
80.	B
81.	B
82.	A
83.	D
84.	B
85.	A
86.	B
87.	D
88.	C
89.	D
90.	B
91.	C
92.	C
93.	B
94.	D
95.	D
96.	D

97.	A
98.	C
99.	D
100.	B
101.	A
102.	C
103.	B
104.	B
105.	C
106.	B
107.	A
108.	C
109.	A
110.	B
111.	A
112.	D
113.	B
114.	D
115.	C
116.	D
117.	B
118.	C
119.	D
120.	C