

### **English**

1. Highest concentration of citric acid is present in the semen of

- (A) Bull
- (B) Ram
- (C) Boar
- (D) Stallion

**Correct Option(s): A**

### **English**

2. Zenker's degeneration of muscles leading to post parturient paresis occurs due to deficiency of

- (A) Zn and vitamin A
- (B) Se and Vitamin A
- (C) Sodium
- (D) Cu

**Correct Option(s): C**

### **English**

3. Length of seminiferous tubules in bulls is \_\_\_\_\_ meters

- (A) 6000
- (B) 4000
- (C) 5000
- (D) 3000

**Correct Option(s): B**

### **English**

4. Half life of natural prostaglandin (Dinoprost) is

- (A) 5 h
- (B) 3 h
- (C) 30 m
- (D) 7 m

**Correct Option(s): D**

### **English**

5. Species in which LH surge persist after ovulation is

- (A) Bovine
- (B) Canine
- (C) Equine
- (D) Swine

**Correct Option(s): B**

### **English**

6. The pH of stallion semen is normally

- (A) Alkaline
- (B) Acidic
- (C) Neutral
- (D) None of these

**Correct Option(s): B**

## English

7. GPC is secreted from

- (A) Prostate
- (B) Epididymis
- (C) Seminal Vesicle
- (D) Testis

**Correct Option(s): C**

## English

8. Electro ejaculation for collection of semen in bulls has been described by

- (A) Miller & Evans
- (B) Rowson & Murdock
- (C) Perry and Maule
- (D) None of these

**Correct Option(s): C**

## English

9. Cell organelle which form zona pellucida is

- (A) Mitochondria
- (B) Endoplasmic reticulum
- (C) Lysosome
- (D) Golgi complex

**Correct Option(s): D**

## English

10. Acrosome of sperm is derived from

- (A) Mitochondria
- (B) Ribosome
- (C) Golgi complex
- (D) Centriole

**Correct Option(s): B**

## English

11. Hydatids of Morgagni is a vestigial remnant of

- (A) Mesonephric duct
- (B) Round ligament
- (C) Paramesonephric duct
- (D) None of these

**Correct Option(s): B**

## English

12.

At ovulation, pre-collagenase is converted to collagenase by

- (A) LH
- (B) Progesterone
- (C) PGF<sub>2</sub>alpha
- (D) All of these

**Correct Option(s): C**

## English

13. The spongy erectile tissue in the ventral portion of the penis immediately surrounding penile urethra is

- (A) Corpus cavernosum
- (B) Corpus spongiosum
- (C) Ischiocavernosum
- (D) Bulbospongiosum

**Correct Option(s): C**

## English

14. The agent used to delay parturition for a short time is

- (A) Beta blocking agents
- (B) Oxytocin
- (C) Beta adrenergic agents
- (D) Epidosin

**Correct Option(s): B**

## English

15. The most efficient method for the separation of x and y sperms is

- (A) Electrophoresis
- (B) Laser guided sperm sorting
- (C) Filtration
- (D) Centrifugation

**Correct Option(s): C**

## English

16. Prior to ejaculation the sperm concentrate is mixed with the accessory glands secretion in

- (A) Ampulla
- (B) Penile urethra
- (C) Pelvic urethra
- (D) Bulb of urethra

**Correct Option(s): B**

## English

17. The best measure of fertility is provided by

- (A) Sperm morphology
- (B) Hypo-osmotic swelling test
- (C) Seminal characteristics
- (D) Zona free hamster egg penetration test

**Correct Option(s): D**

## English

18. The cryo-protectant of embryo used for direct transfer is

- (A) DMSO
- (B) Propylene glycol
- (C) Ethylene Glycol
- (D) Glycerol

**Correct Option(s): B**

## English

19. Spinal muscular atrophy is a genetic abnormality which commonly occurs in \_\_\_\_\_ breed of cattle

- (A) Holstein Friesian
- (B) Ayrshire
- (C) Brown Swiss
- (D) Aberdeen angus

**Correct Option(s): B**

## English

20. Number of carbon atom present in progesterone is

- (A) 21
- (B) 18
- (C) 22
- (D) 19

**Correct Option(s): A**

## English

21. Pygopagus monsters are connected at

- (A) Sternum
- (B) Thorax
- (C) Sacrum
- (D) Ischium

**Correct Option(s): A**

## English

22. Which embryo tolerate better in vitro handling?

- (A) Post compaction embryo
- (B) Both a and b
- (C) Pre compaction embryo
- (D) None of these

**Correct Option(s): A**

## English

23. Maturation period of buffalo oocyte is \_\_\_\_\_ h

- (A) 6 – 8
- (B) 24 – 27
- (C) 12 – 18
- (D) 30 – 34

**Correct Option(s): A**

## English

24. Light yellow colour of semen is due to riboflavin produced by

- (A) Vesicular gland
- (B) Cowpers gland
- (C) Prostate gland
- (D) Penial gland

**Correct Option(s): A**

## English

25. The day 7 bovine embryo is at the stage of

- (A) 16 cell
- (B) Compact morula
- (C) Early morula
- (D) blastocyst

**Correct Option(s): C**

## English

26. Zona drilling is carried out by \_\_\_\_\_

- (A) Heparin
- (B) Lipase
- (C) Pronase
- (D) All of these

**Correct Option(s): B**

## English

27. Transport time of ova in oviduct of cow is \_\_\_\_\_ h

- (A) 50
- (B) 90
- (C) 72
- (D) 120

**Correct Option(s): C**

## English

28. Ciliated cells are at its maximum in

- (A) Fimbria
- (B) Isthmus
- (C) Ampulla
- (D) None of these

**Correct Option(s): A**

## English

29. Separation of the pubic symphysis normally occurs during parturition in

- (A) Rabbit
- (B) Guinea pig
- (C) Rat
- (D) Mouse

**Correct Option(s): C**

## English

30. Testicular descent occurs in dogs at

- (A) 15 days before birth
- (B) 5 days after birth
- (C) 5 days before birth
- (D) One month after birth

**Correct Option(s): C**

## English

31. The protein found in ovarian follicular fluid is

- (A) Inhibin
- (B) Relaxin
- (C) Follistatin
- (D) IGF

**Correct Option(s): B**

## English

32. Colour of urine in bilateral ovarobursal adhesion cases when PSP dye test is used to assess patency of oviduct is

- (A) Yellow
- (B) Colourless
- (C) Pink
- (D) Red

**Correct Option(s): C**

## English

33. Most common bacteria which causes abortion in mare is

- (A) Streptococcus zooepidemicus
- (B) Streptococci viridans
- (C) Salmonella abortus equi
- (D) Streptococci equi

**Correct Option(s): A**

## English

34. Penile searching is prominent in

- (A) Tiger
- (B) Elephant
- (C) Lion
- (D) Bear

**Correct Option(s): C**

## English

35. The number of amino acids in LH – RH is

- (A) 10
- (B) 12
- (C) 21
- (D) 25

**Correct Option(s): A**

## English

36. Primary uterine inertia is seen most often in

- (A) Bitch and cat
- (B) Mare
- (C) Ewe and Doe
- (D) Bitch and sow

**Correct Option(s): D**

## English

37. Blood testis barrier in bull is mainly formed by

- (A) Myoid cells
- (B) Sertoli cells
- (C) Leydig cells
- (D) Spermatogonia

**Correct Option(s): C**

## English

38. The Spermicidal substance found normally in the milk is

- (A) Immunoglobulin
- (B) Milk casein
- (C) Lactenin
- (D) None of these

**Correct Option(s): B**

## English

39. Carnitine is mainly contributed by

- (A) Testis
- (B) Seminal vesicle
- (C) Prostate
- (D) Epididymis

**Correct Option(s): D**

## English

40. Androgen binding protein is produced by

- (A) Germinal cells
- (B) Leydig cells
- (C) Myoid cells
- (D) Sertoli cells

**Correct Option(s): D**

## English

41. The quantity of norgestomet impregnated in the ear implant for bovines is

- (A) 2 mg
- (B) 6 mg
- (C) 4 mg
- (D) 8 mg

**Correct Option(s): C**

## English

42. Pressure of the artificial vagina is more important than the temperature for

- (A) Stallion and Boar
- (B) Bull and Boar
- (C) Dog and Cat
- (D) Sheep and goat

**Correct Option(s): A**

## English

43. The structure of relaxin is closely related to the hormone

- (A) LH
- (B) Insulin
- (C) FSH
- (D) Inhibin

**Correct Option(s): C**

## English

44. Osmolarity HOST solution used in Hypo osmotic swelling test is

- (A) 340 milliosmoles
- (B) 150 milliosmoles
- (C) 320 milliosmoles
- (D) 285 milliosmoles

**Correct Option(s): C**

## English

45. Commonly used model of AV used for collection of bull semen is

- (A) Russian model
- (B) Swedish model
- (C) Danish model
- (D) Japanese model

**Correct Option(s): B**

## English

46. Ropy or viscid semen is due to

- (A) Prostatitis
- (B) Orchitis
- (C) Seminal Vesiculitis
- (D) Testicular degeneration

**Correct Option(s): B**

## English

47. Number of primordial follicles present at the time of birth in cow

- (A) 100000
- (B) 200000
- (C) 150000
- (D) 250000

**Correct Option(s): B**

## English

48. A protein that influences blastocyst formation from morulae is

- (A) Uteroferrin
- (B) Histotroph
- (C) uteroglobin
- (D) All of these

**Correct Option(s): B**

## English

49. Testicular artery supplying testis and epididymis originates from

- (A) Internal pudendal artery
- (B) External pudendal artery
- (C) Dorsal aorta
- (D) None of these

**Correct Option(s): B**

## English

50. \_\_\_\_\_ is a bovine fetal monster with general ankyloses, muscle contractures and short spine

- (A) Perosomus elumbus
- (B) Perosomus horridus
- (C) Schistosoma reflexes
- (D) All of these

**Correct Option(s): C**