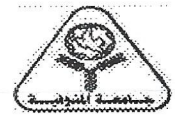


Equine internal medicine 4th. year (Final Exam 2021) Time allowed 2 hours

1. The most serious GIT disorders are those of
 - A. Stomach
 - B. Small intestine
 - C. Liver
 - D. Hind gut
2. The diseased condition of the large intestine in the horse cause death from
 - A. Hypovolemic shock
 - B. Acid base imbalance
 - C. Decreased cardiac output
 - D. All of the above
3. Horse cannot vomit because of
 - A. Lack of gall bladder
 - B. Small sized stomach
 - C. Strong cardiac opening
 - D. Long esophagus
4. Stomatitis in the horse characterized by the following except
 - A. Thirst
 - B. Retention of the food in the mouth
 - C. Abnormal prehension and mastication
 - D. Gaseous distention of the stomach
5. Dysphagia accompanied with regurgitation of food and water in case of
 - A. Pharyngeal paralysis
 - B. Chock
 - C. Esophagitis
 - D. Pharyngitis
6. Stomach tube can be used as a diagnostic and therapeutic tool in the following diseased condition except
 - A. Gastric dilatation
 - B. Gastric ulcers
 - C. Intestinal obstruction
 - D. Esophageal obstruction
7. One of the following can be conceded as a complication of chock in the horse
 - A. Aspiration pneumonia
 - B. Stomatitis
 - C. Pharyngitis
 - D. Esophageal paralysis
8. Treatment of chock including the following points except
 - A. NSAIDs
 - B. Paraffin oil
 - C. Tranquilizer
 - D. Electrolyte and excess of water
9. Sialosis in the horse associated with
 - A. Acidosis
 - B. Alkalosis
 - C. Hypercalcaemia
 - D. Hyperchloremia
10. Gastric dilatation in the horse may be due to
 - A. Gastritis
 - B. Gastric ulcers
 - C. Overeating of fermentable diet
 - D. Esophageal obstruction
11. One of the following symptoms is not included in case of gastric dilatation in horse
 - A. Kicking of the belly
 - B. Dog sitting position
 - C. Laminitis
 - D. Diarrhea
12. Treatment of gastric dilatation include the following points except
 - A. Paraffin oil by nasogastric tube



- B. Neostigmine
C. Antihistaminic
D. Analgesic and fluid therapy
13. Risk factors of gastritis include
A. Prolonged use of NSAIDs
B. Feeding on moldy food
C. Poor teeth
D. All of the above
14. Treatment of gastritis include the following points except
A. Antihistaminic
B. Gastric sedative
C. Corticosteroid
D. Evacuation of the GIT by paraffin oil
15. Risk factors of EGUS include the following except
A. Maladjustment syndrome
B. Exercise with empty stomach
C. Complication of gastritis
D. Parasitic infestation
16. Death in case of Hyperlipemia may be due to
A. Hepatic failure
B. Renal failure
C. Acidosis with accumulation of ketone bodies
D. All of the above
17. Drooling appearance in foal can be diagnosed as
A. Exertional rhabdomyolysis
B. NFI
C. EGUS
D. GDV
18. One of the following is the most important hygienic measures in GIT affections
A. Increase the grain ratio in the ration
B. Withholding the food
C. Feeding on excessive roughage
D. Withdrawing of water
19. Tying up in case of exertional rhabdomyolysis is due to
A. Damage muscle
B. Excess lactic acid
C. Swelling of the muscle
D. All of the above
20. All of the following are risk factors of myoglobinuria except
A. Diet
B. Season
C. Age
D. Lameness
21. Lab finding of Monday diseases include
A. Hyperkalemia
B. Hypochloremia
C. Excess of LDH
D. All of the above
22. Azotemia in case of Monday disease may be due to
A. Lack of LDH, CPK and GGT
B. Hypercalcaemia
C. Myoglobinuria nephrotoxicity
D. Excess of lactic acid
23. All of the following are signs of exertional rhabdomyolysis except
A. Stiffness in gait
B. Dog sitting position
C. Respiratory distress
D. Ptyalism
24. Therapeutic approach of tying up should include
A. NSAIDs
B. Antimicrobial agent



- C. Anesthesia
D. Antihistaminic
- 25.**Hyperlipemia more common in ponies due to
A. Starvation for long period
B. Disturbance between glucose and lipid metabolism
C. Negative energy balance
D. All of the above
- 26.**Triglyceride in case of hyperlipemia may be
A. Less than 100 mg/dl
B. 100-110 mg/dl
C. Up to 500 mg/dl
D. None of the above
- 27.**Risk factors of Hyperlipemia during early lactation include the following points except
A. Starvation
B. Lack of exercise
C. Parasitism
D. Transportation
- 28.**Hyperlipemia is common in the following except
A. Stallions
B. Late pregnancy
C. Early lactation
D. Newly born foal
- 29.**Hyperlipemia can be complicated by azoturia due to
A. Hypoglycemia
B. Excess of triglycerides
C. Dehydration
D. None of the above
- 30.**Nervous manifestations in case of Hyperlipemia are due to
A. Hypoglycemia
B. Excessive production of ketone bodies
C. Neuromuscular irritants
D. All of the above
- 31.**One of the following is characteristic laboratory finding in Hyperlipemia
A. Hyperglycemia
B. Milky plasma
C. Hyperinsulenemia
D. None of the above
- 32.**The main therapeutic approach of Hyperlipemia include
A. Glucose with insulin therapy
B. Insulin+ heparin + calcium
C. Insulin + glucose + heparin
D. Heparin + Glucose + Sulphonamide
- 33.**The therapeutic approach of EGUS includes the following except
A. Omeprazole + kaolin + calcium borgluconate
B. Calcium + Sodium bicarbonate + Pectin
C. Magnesium hydroxide + Antacid + NSAIDs
D. Calcium + omeprazole + Sodium bicarbonate
- 34.**Glucocorticoids can be considered as predisposing factors of lowering calcium level causing lactation tetany because of
A. Decrease bone resorption
B. Increase the urine excretion of calcium
C. Decrease the intestinal absorption of calcium
D. All of the above
- 35.**All of the following are risk factors of lactation tetany except
A. Transportation



- B. GIT disorders
C. Hyperparathyroidism
D. Pregnancy and lactation
36. Extraneous exercise predispose to lactation tetany because of
A. Alkalosis
B. Hyperchloremia
C. Acidosis
D. None of the above
37. Incidence of lactation tetany is more common during
A. Early Pregnancy
B. Immediately after foaling and up to the end of lactation
C. Late pregnancy
D. None of the above
38. Lactation tetany can be treated by
A. Calcium + magnesium + vitamin D + dexamethasone
B. Calcium + Ringer's + dexamethasone + Sulphonamide
C. Calcium + vitamin -D + magnesium + Ringer's
D. All of the above
39. The main sources of foal diseases are
A. Dame
B. Foal itself
C. Mangemental and environmental factors
D. All of the above
40. Retained meconium can be treated by
A. Colostrum with laxative + isotonic solution
B. Laxative only
C. Mineral oil
D. Non of the above
41. Retained meconium occurs when the foal cannot defecate within
A. 24 hours after foaling
B. 2-4 days after foaling
C. 2-4 hours after foaling
D. Non of the above
42. Lack of colostrum in the first 1-2 days after foaling predispose to
A. Foal heat diarrhea
B. FPT
C. Foal isoerythrolysis
D. All of the above
43. Foal greater than 24 hours is considered to have FPT if the circulating IgG are
A. 800 mg/dl
B. Less than 400 mg/dl
C. 400-800 mg/dl
D. More than 400 mg/dl
44. NFI can occur in
A. During the fetal life in the early stage of pregnancy
B. In the first few days after foaling
C. After two weeks of age
D. During the fetal life in the late stage of pregnancy
45. The main clinical signs of NFI are
A. Icteric mucous membrane with nervous manifestations
B. Lethargy and hypoxia
C. Hemoglobinuria
D. All of the above
46. The main item in the treatment of NFI is
A. Administration of fluid therapy
B. Laxative with colostrum
C. Isolation from the dame



D. Rectal enema with isotonic solution

47. Foal heat diarrhea is

- A. Diarrhea in the first 5-14 days of the life
- B. Self-limiting diarrhea
- C. Foal diarrhea due to hormonal change of the dam
- D. All of the above

48. Simple cases of foal heat diarrhea can be treated by

- A. Zinc ointment + fluid therapy + probiotics
- B. Antibiotic + probiotic
- C. Milk replacers

D. None of the above

49. Causes of guttural pouch empyema may be

- A. Extension of infection from ear
- B. Complication of guttural pouch tympany
- C. Complication of strangles
- D. All of the above

50. Horner's syndrome and signs of colic may appear in case of

- A. Guttural pouch empyema
- B. Guttural pouch mycosis
- C. Guttural pouch tympany
- D. None of the above



El Menoufia University
Faculty of Veterinary Medicine
Forensic Medicine Exam, 2020/2021



Date: 12.6.2021

Time allowed: 2 Hours

Choose the correct answer from (a), (b), (c) or (d) for each of the following 75 questions

1- All of the following are sure signs of death EXCEPT

- | | |
|------------------------|---|
| a) Complete flaccidity | b) livor mortis |
| c) Rigor mortis | d) Absence of light reflex in eye pupils. |

2- is the most accurate method to determine time elapsed after death in cadaver of cow died from anthrax at environmental temperature around 37 degree.

- | | |
|--|---|
| a) Rate of cooling | b) Extend of rigor mortis |
| c) Determination of vitreous potassium level | d) Examination of Gastrointestinal content emptying |

3- is considered as one of the earliest changes after death.

- | | |
|----------------------------------|----------------------------------|
| a) Rigor mortis | b) Retinal vessels fragmentation |
| c) Secondary muscular flaccidity | d) Cooling of the body |

4- Where does the contused wound appear similar to incised wound ?

- | | |
|------------|-------------------|
| a) Head | b) Gluteal region |
| c) Abdomen | d) All of them |

5- Is defined as unexpected death for apparently healthy animal and is usually caused by In birds

- | | |
|--------------------------------------|--------------------------------------|
| a) Somatic death / heart failure | b) Brain death / cerebral hemorrhage |
| c) Sudden death / infectious disease | d) Coma / asphyxia |

6- is the most recent artificial identification method in animals.

- | | |
|-----------------------|--------------|
| a) Freeze numbering | b) Ear tag |
| c) Microchips implant | d) Tattooing |

7- Depth of stab wound is equal to length of weapon.

- | | |
|---------|----------|
| a) True | b) False |
|---------|----------|

8- A group of cows in open place are founded dead in the early morning. Some cadavers showed burn and singed hairs with bleeding from nose and ears. Another group were without any apparent signs except smelting and magnetization of metal objects (used for identification) in neck region. Suspected cause of death is

- | | |
|-------------------------|------------------------------------|
| a) Big fire in the farm | b) Sun stroke of hyperpyrexia type |
| c) Lightning strike | d) Solar radiation |

9- Supra-renal insufficiency is possible mechanism of death after

- | | |
|-------------------------------|-------------|
| a) Trauma in abdominal region | b) Burn |
| c) Starvation | d) Both b,c |

10- is defined as aseptic digestion of tissue after death by endogenous enzymes

- | | |
|------------------|--------------------|
| a) Decomposition | b) Molecular death |
| c) Autolysis | d) All of them |

11- Radiation burn is characterized by

- | | |
|--------------------------------------|---|
| a) Blackening and mineralization | b) Presence of vesicles containing albumen (2 nd degree) |
| c) Ulceration surrounded by erythema | d) Soot in trachea and high carboxy Hb content in blood |

12- 4th degree of and Is relatively similar but easily differentiate by examination.

- | | |
|-----------------------------|--|
| a) Scald – corrosion – hair | b) Burns – scald – cloths |
| c) Burn – corrosion – hair | d) Electric burn – thermal burn - cloths |

13- Fat embolism may become expected cause of death after

- | | |
|-----------------|---|
| a) Thermal burn | b) Passage of Electric current in fatty areas in the body |
| c) Starvation | d) Heat hyperpyrexia |

14- Putrefaction is accelerated by and retarded by	
<input checked="" type="checkbox"/> a) Wounds / emaciation	<input checked="" type="checkbox"/> b) Adipocere / mummification
<input checked="" type="checkbox"/> c) loss of blood / freezing	<input checked="" type="checkbox"/> d) Warmness / infection
15- Choose the wrong statement from the following.	
<input checked="" type="checkbox"/> a) Hypostasis is of low forensic value in animals	<input checked="" type="checkbox"/> b) Efflux of Ca from sarcoplasmic reticulum promote rigor mortis
<input checked="" type="checkbox"/> c) Coma is a final result to brain death	<input checked="" type="checkbox"/> d) Hypostasis seen externally and also internally
16- The most characteristic findings on fired bullet is which seen by naked eye.	
<input checked="" type="checkbox"/> a) Needle mark on percussion cap	<input checked="" type="checkbox"/> b) Primary rifling marks
<input checked="" type="checkbox"/> c) Secondary rifling scratches	<input checked="" type="checkbox"/> d) All of them
17- All of the following are correct for rigor mortis in horse EXCEPT	
<input checked="" type="checkbox"/> a) Occur due to formation of rigid bond between lectins muscle filaments	<input checked="" type="checkbox"/> b) Begin after 3-4 hours and disappear after 36-48 hours from death in winter
<input checked="" type="checkbox"/> c) It follow and followed by flaccidity	<input checked="" type="checkbox"/> d) Muscles did not respond to electric stimuli
18- Choose the correct statement from the following	
<input checked="" type="checkbox"/> a) Unawareness and spontaneous respiration are signs to cortical brain death.	<input checked="" type="checkbox"/> b) Hypostasis is PM bluish discoloration begin to appear in lower compressed part after 2 hours.
<input checked="" type="checkbox"/> c) Muscles has the longest molecular life in the body.	<input checked="" type="checkbox"/> d) Eggs of flies are usually detected in cadaver orifices after 48 hours since death in the summer.
19- Site of abrasions in the body usually indicate	
<input checked="" type="checkbox"/> a) Type of causative agent	<input checked="" type="checkbox"/> b) Type of crime
<input checked="" type="checkbox"/> c) Its pattern	<input checked="" type="checkbox"/> d) Violence
20- is the main cause of death after weak trauma in epigastric region.	
<input checked="" type="checkbox"/> a) Stomach rupture	<input checked="" type="checkbox"/> b) Internal contusion
<input checked="" type="checkbox"/> c) Heart failure	<input checked="" type="checkbox"/> d) All of them
21- is wound usually take the shape of cross section of the used instrument.	
<input checked="" type="checkbox"/> a) Punctured wound	<input checked="" type="checkbox"/> b) Firearm wound
<input checked="" type="checkbox"/> c) Contused wound	<input checked="" type="checkbox"/> d) Incised wound
22- is the first organ shows stiffness after death in female, while is the first part putrefied in male.	
<input checked="" type="checkbox"/> a) Uterus / Prostate	<input checked="" type="checkbox"/> b) Cornea / Intestine
<input checked="" type="checkbox"/> c) Tongue / Liver	<input checked="" type="checkbox"/> d) Heart / larynx
23- is the main cause of death due to anemia, hypothermia, convulsion and cyanide poisoning	
<input checked="" type="checkbox"/> a) Asphyxia	<input checked="" type="checkbox"/> b) Cold stiffness
<input checked="" type="checkbox"/> c) Vagal shock	<input checked="" type="checkbox"/> d) Heart failure
24- Excessive hemorrhage is usually considered as	
<input checked="" type="checkbox"/> a) Cause of death	<input checked="" type="checkbox"/> b) Mechanism of death
<input checked="" type="checkbox"/> c) Manner of death	<input checked="" type="checkbox"/> d) All of them
25- Site of bruise usually reflect site of applicable violence.	
<input checked="" type="checkbox"/> a) True	<input checked="" type="checkbox"/> b) False
26- Secondary flaccidity usually begins after PM in mature dogs due to in summer season.	
<input checked="" type="checkbox"/> a) 36-48 hrs / effect of putrefactive bacteria	<input checked="" type="checkbox"/> b) 1-2 hrs / nervous paralysis
<input checked="" type="checkbox"/> c) 24-36 hrs / effect of hyperthermia	<input checked="" type="checkbox"/> d) 2-3 hrs / break down of muscle protein
27- Greenish discoloration of contusion indicate	
<input checked="" type="checkbox"/> a) Infection	<input checked="" type="checkbox"/> b) Beginning of putrefaction
<input checked="" type="checkbox"/> c) One week old trauma	<input checked="" type="checkbox"/> d) Nothing
28- Linear scratches are produced when pointed object dragged on the skin.	
<input checked="" type="checkbox"/> a) True	<input checked="" type="checkbox"/> b) False
29- is responsible for adipocere formation which complete within	
<input checked="" type="checkbox"/> a) Fat / 6 months	<input checked="" type="checkbox"/> b) Death under water/ 3 months
<input checked="" type="checkbox"/> c) Skin / one month	<input checked="" type="checkbox"/> d) Saponification / 1-2 year
30- Tissue bridging differentiate between	
<input checked="" type="checkbox"/> a) Burn and scald	<input checked="" type="checkbox"/> b) cut and stab wound
<input checked="" type="checkbox"/> c) cut and contused wound	<input checked="" type="checkbox"/> d) contusion and hypostasis

31- The most characteristic finding of fired cartridge is	a) Empty of its content	b) Needle mark on percussion cap
	c) Rifling marks	d) Rusty scratches
32- هي تلك الجروح التي تلتئم في مدة زمنية أقل من ٢٠ يوم تاركة اثر دائم أو إعاقة ما	a) الجروح الخطيرة	b) الجروح البسيطة
	c) الجروح ذات الاعاقة	d) الجروح القطعية
33- Ventricular fibrillation is the main mechanism of death after the exposure to	a) Electric current	b) Cold
	c) Starvation and thirst	d) High environmental temperature
34- In winter season (10 °C), the 1 st measurement of rectal temperature in a carcass of cow was 30 °C. After one hour, the 2 nd measurement of rectal temperature was 28°C. Expected time elapsed since death is	a) 1-2 hours	b) 4-5 hours
	c) 10-12 hours	d) 6-8 hours
35- A carcass of dog was extracted from river in winter season. Examination revealed strong mandibular closure over aquatic weeds and mud, while all body was warm (37 °C) and in complete flaccid condition. This stiffness seems to be	a) Beginning of rigor mortis	b) Cold stiffness
	c) Normal mandibular stiffness	d) Cadaveric spasm
36- Post-mortem contusion characterized by absence of inflammatory and healing reactions.	a) True	b) False
37- Rigor mortis appear due to	a) Coagulation of muscle protein	b) Accumulation of lactic acid in muscles
	c) Depletion of ATP production	d) Both a,b
38- In bodies died in very hot and dry climate.	a) Putrefaction is delayed for 2-3 days	b) Cadaver loss water and shrunken within weeks
	c) Fat is converted into solid greasy masses	d) The sure cause of death is sun stroke
39- Third degree of burn characterize by..... and is associated with incidence of	a) Destruction of s/c tissue – Hypovolemic shock	b) Vesicle formation – Infection
	c) Destruction of epidermis only – Pain shock	d) Destruction of dermis only – Haematogenic shock
40- Decomposition in water is in air due to in water	a) Faster than / Presence of fish	b) Slower than / formation of adipocere
	c) Slower than / Low temperature	d) Faster than / Aquatic microorganisms
41- Brown atrophy of the heart is characteristic lesion for death from	a) Radiation	b) Brown disease
	c) Heat syncope	d) Starvation
42- cause delay hypostasis formation, while prevent its occurrence at all.	a) Hemorrhage - Infection	b) Anemia - Freezing
	c) Change of position after death – profuse hemorrhage	d) Cold climate - mummification
43- is manifested by greenish visualization of superficial vessels on abdomen or chest within 2 days after death in summer	a) Lightning strike	b) Putrefaction
	c) Mineralization	d) All of them
44- The presence of internal wad inside the wound indicate that	a) The used weapon was smooth bore	b) The used weapon is rifled weapon
	c) The wound is fabricated	d) The wound is ante-mortem
45- Molecular life is	a) Life of molecules inside the cells	b) Life of cells after death
	c) Life of cells before death	d) None of them
46- Caliper of smooth bore weapons is	a) Diameter of bullet	b) Internal diameter of smooth barrel
	c) Number reflect destructive power of weapon	d) Number expressed on the base of cartridge
47- Infection may expected to be the cause of death in animal died after from high degree of burn.	a) 2-3 hours	b) 1-2 days
	c) 3-5 days	d) 30 days

48- Presence of thermal fracture in the skull is diagnostic to ante-mortem burn.	
<input checked="" type="checkbox"/> a) True	<input type="checkbox"/> b) False
49- Contused lacerated wound is characterized by	
<input type="checkbox"/> a) Minimal bleeding	<input type="checkbox"/> b) Crushed hair tips
<input type="checkbox"/> c) Irregular edges	<input type="checkbox"/> d) All of them
50- Death of adult healthy cat was trapped under fallen house may be expected after	
<input type="checkbox"/> a) 1-2 days	<input type="checkbox"/> b) 3-4 days
<input type="checkbox"/> c) 5-10 days	<input type="checkbox"/> d) 20-25 days
51- Cause of death from burns in open place after less than 2 hours includes.....	
<input type="checkbox"/> a) Hematogenic shock	<input type="checkbox"/> b) Suffocation
<input type="checkbox"/> c) Neurogenic shock	<input type="checkbox"/> d) Both c,b
52- Surgical, self-inflicted, defense, homicidal, suicidal and accidental are different manner for	
<input type="checkbox"/> a) Burn	<input type="checkbox"/> b) Incised wound
<input type="checkbox"/> c) Electricity	<input type="checkbox"/> d) Penetrating wound
53- All of the following are patterned abrasions EXCEPT	
<input type="checkbox"/> a) Pressure abrasion	<input checked="" type="checkbox"/> b) Dragging abrasion
<input type="checkbox"/> c) Impact abrasion	<input type="checkbox"/> d) Human bite abrasion
54- Death occurs in case of heat collapse usually due to.....	
<input type="checkbox"/> a) Circulatory collapse	<input type="checkbox"/> b) Asphyxia
<input type="checkbox"/> c) CNS damage	<input type="checkbox"/> d) None of them
55- Ante-mortem slaughter is diagnosed by	
<input checked="" type="checkbox"/> a) Presence of blood around carcass, wound at neck region and bluish colored hypostasis	<input type="checkbox"/> b) Presence of bloody froth inside trachea, faint hypostasis and hyperemic cut wound edges with gaping.
<input type="checkbox"/> c) Presence of lacerated wound in neck region, rapid formed rigor mortis and rapid PM cooling	<input type="checkbox"/> d) Presence of soot in trachea, incised stab wound in neck region and separation between head and body.
56- One week old age abrasion is characterized by	
<input type="checkbox"/> a) Presence of brown scab if removed bled again	<input type="checkbox"/> b) Brown discolored center with yellowish margins
<input type="checkbox"/> c) Falling of scab leaving rosy colored tissue	<input type="checkbox"/> d) Complete healing without scar
57- Choose the wrong statement from the following.	
<input type="checkbox"/> a) Absence of reflexes indicated brain stem death	<input checked="" type="checkbox"/> b) PM caloricity is increase in carcass calories due to over feed
<input type="checkbox"/> c) Examination of GIT help to detect time since death	<input type="checkbox"/> d) Blood inside vessels confirm livor mortis and exclude bruise
58- We can differentiate between heat hyperpyrexia and heat exhaustion in recently died dog by	
<input type="checkbox"/> a) Measuring of body temperature	<input type="checkbox"/> b) Measuring of blood pressure and pulse
<input type="checkbox"/> c) Measuring of environmental temperature	<input type="checkbox"/> d) All of them
59- is the direct mechanism of death in case of cerebral hemorrhage.	
<input type="checkbox"/> a) Hemorrhage	<input type="checkbox"/> b) Asphyxia
<input type="checkbox"/> c) Coma	<input type="checkbox"/> d) Syncope
60- Animal loss the sensation of thirst during acute starvation after 48 hours.	
<input type="checkbox"/> a) True	<input type="checkbox"/> b) False
<input type="checkbox"/> c) After 3 days	<input type="checkbox"/> d) After 10 days
61- Length and depth may differentiate between	
<input type="checkbox"/> a) Crush and tear wound	<input type="checkbox"/> b) Hypostasis and contusion
<input type="checkbox"/> c) Burn and scald	<input type="checkbox"/> d) Stab and incised wound
62- Acute exposure to non-ionizing radiation may be manifested by	
<input type="checkbox"/> a) Cancer and loss of hair	<input checked="" type="checkbox"/> b) Skin ulceration, GIT bleeding edema in brain or lung
<input type="checkbox"/> c) Skin vesicles and teratogenicity	<input type="checkbox"/> d) Nothing
63- Hypostasis is completed after	
<input type="checkbox"/> a) 1-2 hours after death	<input type="checkbox"/> b) 3-4 hours before death
<input type="checkbox"/> c) 8-10 hours before death	<input type="checkbox"/> d) 9-10 hours after death
64- Is one of the immediate sign of death	
<input type="checkbox"/> a) Loss of skin elasticity	<input type="checkbox"/> b) Cooling of the body
<input type="checkbox"/> c) Contact flattening	<input type="checkbox"/> d) Corneal clouding

65- Cadaveric spasm affect	
a) Voluntary muscles	b) Involuntary muscles
c) Both a,b	d) Cadaveric muscles
66- Complete absence of food in GIT indicate death from chronic starvation.	
a) True	b) False
67- Correct order for internal organs putrefaction in female (from early to late)	
a) Brain – Stomach – liver – Heart – prostate	b) Larynx – Brain – liver – lung – non gravid uterus
c) Liver – Intestine – Kidney – Heart – Larynx	d) All internal organs putrefy at the same time
68- We can differentiate between antemortem and postmortem wounds by	
a) Presence of soot and carboxy Hb	b) Hair tip examination
c) Inflammatory and healing process	d) Both c,b
69- All of the following conditions retard formation of adipocere EXCEPT	
a) Cold weather	b) Running water
c) Starvation	d) Hot climate
70- Flame travel to distance equal to 1/2 length of weapon barrel causing burn around inlet wound.	
a) True	b) False
71- Abrasions can be confused with	
a) Eczema	b) Contusion
c) Chemical burn	d) Scald
72- All of the following are correct about primary flaccidity EXCEPT	
a) Respond to electric stimuli	b) Muscles still in molecular life
c) Take place due to ATP depletion in muscles	d) Its duration about 1-2 hours after death
73- Rigor mortis may confused with	
a) Cold stiffness	b) Gas stiffness
c) Heat stiffness	d) All of them
74- Forensic entomology deal with	
a) Dentition	b) Insects of cadaver
c) Firearm weapons	d) Determination the cause of death
75- يجب أن يتميز الطبيب الشرعي بالذكاء و قوة الملاحظة و العلم الواسع و مراقبة الله عزوجل و أن يكون هدفه فقط هو تحقيق العدالة	
a) True	b) False

(انتهت الأسئلة مع تمنياتنا لكم بالتوفيق و النجاح)

السري، فرقة رابعة
نرم



El Menoufia University
Faculty of Veterinary Medicine
Forensic Medicine Exam, 2020/2021



Date: 12.6.2021

Time allowed: 2 Hours

Choose the correct answer from (a), (b), (c) or (d) for each of the following 75 questions

1- All of the following are sure signs of death EXCEPT

- | | |
|------------------------|---|
| a) Complete flaccidity | b) livor mortis |
| c) Rigor mortis | d) Absence of light reflex in eye pupils. |

2- is the most accurate method to determine time elapsed after death in cadaver of cow died from anthrax at environmental temperature around 37 degree.

- | | |
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31- The most characteristic finding of fired cartridge is	
a) Empty of its content	b) Needle mark on percussion cap
c) Rifling marks	d) Rusty scratches
32- هي تلك الجروح التي تلتئم في مدة زمنية أقل من ٢٠ يوم تاركة اثر دائم أو إعاقة ما	
a) الجروح الخطيرة	b) الجروح البسيطة
c) الجروح ذات الاعاقة	d) الجروح القطعية
33- Ventricular fibrillation is the main mechanism of death after the exposure to	
a) Electric current	b) Cold
c) Starvation and thirst	d) High environmental temperature
34- In winter season (10 °C), the 1 st measurement of rectal temperature in a carcass of cow was 30 °C. After one hour, the 2 nd measurement of rectal temperature was 28°C. Expected time elapsed since death is	
a) 1-2 hours	b) 4-5 hours
c) 10-12 hours	d) 6-8 hours
35- A carcass of dog was extracted from river in winter season. Examination revealed strong mandibular closure over aquatic weeds and mud, while all body was warm (37 °C) and in complete flaccid condition. This stiffness seems to be	
a) Beginning of rigor mortis	b) Cold stiffness
c) Normal mandibular stiffness	d) Cadaveric spasm
36- Post-mortem contusion characterized by absence of inflammatory and healing reactions.	
a) True	b) False
37- Rigor mortis appear due to	
a) Coagulation of muscle protein	b) Accumulation of lactic acid in muscles
c) Depletion of ATP production	d) Both a,b
38- In bodies died in very hot and dry climate.	
a) Putrefaction is delayed for 2-3 days	b) Cadaver loss water and shrunken within weeks
c) Fat is converted into solid greasy masses	d) The sure cause of death is sun stroke
39- Third degree of burn characterize by..... and is associated with incidence of	
a) Destruction of s/c tissue – Hypovolemic shock	b) Vesicle formation – Infection
c) Destruction of epidermis only – Pain shock	d) Destruction of dermis only – Haematogenic shock
40- Decomposition in water is in air due to in water	
a) Faster than / Presence of fish	b) Slower than / formation of adipocere
c) Slower than / Low temperature	d) Faster than / Aquatic microorganisms
41- Brown atrophy of the heart is characteristic lesion for death from	
a) Radiation	b) Brown disease
c) Heat syncope	d) Starvation
42- cause delay hypostasis formation, while prevent its occurrence at all.	
a) Hemorrhage - Infection	b) Anemia - Freezing
c) Change of position after death – profuse hemorrhage	d) Cold climate - mummification
43- is manifested by greenish visualization of superficial vessels on abdomen or chest within 2 days after death in summer	
a) Lightning strike	b) Putrefaction
c) Mineralization	d) All of them
44- The presence of internal wad inside the wound indicate that	
a) The used weapon was smooth bore	b) The used weapon is rifled weapon
c) The wound is fabricated	d) The wound is ante-mortem
45- Molecular life is	
a) Life of molecules inside the cells	b) Life of cells after death
c) Life of cells before death	d) None of them
46- Caliper of smooth bore weapons is	
a) Diameter of bullet	b) Internal diameter of smooth barrel
c) Number reflect destructive power of weapon	d) Number expressed on the base of cartridge
47- Infection may expected to be the cause of death in animal died after from high degree of burn.	
a) 2-3 hours	b) 1-2 days
c) 3-5 days	d) 30 days

48- Presence of thermal fracture in the skull is diagnostic to ante-mortem burn.	
a) True	b) False
49- Contused lacerated wound is characterized by	
a) Minimal bleeding	b) Crushed hair tips
c) Irregular edges	d) All of them
50- Death of adult healthy cat was trapped under fallen house may be expected after	
a) 1-2 days	b) 3-4 days
c) 5-10 days	d) 20-25 days
51- Cause of death from burns in open place after less than 2 hours includes.....	
a) Hematogenic shock	b) Suffocation
c) Neurogenic shock	d) Both c,b
52- Surgical, self-inflicted, defense, homicidal, suicidal and accidental are different manner for	
a) Burn	b) Incised wound
c) Electricity	d) Penetrating wound
53- All of the following are patterned abrasions EXCEPT	
a) Pressure abrasion	b) Dragging abrasion
c) Impact abrasion	d) Human bite abrasion
54- Death occurs in case of heat collapse usually due to.....	
a) Circulatory collapse	b) Asphyxia
c) CNS damage	d) None of them
55- Ante-mortem slaughter is diagnosed by	
a) Presence of blood around carcass, wound at neck region and bluish colored hypostasis	b) Presence of bloody froth inside trachea, faint hypostasis and hyperemic cut wound edges with gaping.
c) Presence of lacerated wound in neck region, rapid formed rigor mortis and rapid PM cooling	d) Presence of soot in trachea, incised stab wound in neck region and separation between head and body.
56- One week old age abrasion is characterized by	
a) Presence of brown scab if removed bled again	b) Brown discolored center with yellowish margins
c) Falling of scab leaving rosy colored tissue	d) Complete healing without scar
57- Choose the wrong statement from the following.	
a) Absence of reflexes indicated brain stem death	b) PM caloricity is increase in carcass calories due to over feed
c) Examination of GIT help to detect time since death	d) Blood inside vessels confirm livor mortis and exclude bruise
58- We can differentiate between heat hyperpyrexia and heat exhaustion in recently died dog by	
a) Measuring of body temperature	b) Measuring of blood pressure and pulse
c) Measuring of environmental temperature	d) All of them
59- is the direct mechanism of death in case of cerebral hemorrhage.	
a) Hemorrhage	b) Asphyxia
c) Coma	d) Syncope
60- Animal loss the sensation of thirst during acute starvation after 48 hours.	
a) True	b) False
c) After 3 days	d) After 10 days
61- Length and depth may differentiate between	
a) Crush and tear wound	b) Hypostasis and contusion
c) Burn and scald	d) Stab and incised wound
62- Acute exposure to non-ionizing radiation may be manifested by	
a) Cancer and loss of hair	b) Skin ulceration, GIT bleeding edema in brain or lung
c) Skin vesicles and teratogenicity	d) Nothing
63- Hypostasis is completed after	
a) 1-2 hours after death	b) 3-4 hours before death
c) 8-10 hours before death	d) 9-10 hours after death
64- Is one of the immediate sign of death	
a) Loss of skin elasticity	b) Cooling of the body
c) Contact flattening	d) Corneal clouding

65- Cadaveric spasm affect	
a) Voluntary muscles	b) Involuntary muscles
c) Both a,b	d) Cadaveric muscles
66- Complete absence of food in GIT indicate death from chronic starvation.	
a) True	b) False
67- Correct order for internal organs putrefaction in female (from early to late)	
a) Brain – Stomach – liver – Heart – prostate	b) Larynx – Brain – liver – lung – non gravid uterus
c) Liver – Intestine – Kidney – Heart – Larynx	d) All internal organs putrefy at the same time
68- We can differentiate between antemortem and postmortem wounds by	
a) Presence of soot and carboxy Hb	b) Hair tip examination
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69- All of the following conditions retard formation of adipocere EXCEPT	
a) Cold weather	b) Running water
c) Starvation	d) Hot climate
70- Flame travel to distance equal to 1/2 length of weapon barrel causing burn around inlet wound.	
a) True	b) False
71- Abrasions can be confused with	
a) Eczema	b) Contusion
c) Chemical burn	d) Scald
72- All of the following are correct about primary flaccidity EXCEPT	
a) Respond to electric stimuli	b) Muscles still in molecular life
c) Take place due to ATP depletion in muscles	d) Its duration about 1-2 hours after death
73- Rigor mortis may confused with	
a) Cold stiffness	b) Gas stiffness
c) Heat stiffness	d) All of them
74- Forensic entomology deal with	
a) Dentition	b) Insects of cadaver
c) Firearm weapons	d) Determination the cause of death
75- يجب أن يتميز الطبيب الشرعي بالذكاء و قوة الملاحظة و العلم الواسع و مراقبة الله عزوجل و أن يكون هدفه فقط هو تحقيق العدالة	
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(انتهت الأسئلة مع تمنياتنا لكم بالتوفيق والنجاح)



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19- Site of abrasions in the body usually indicate	
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c) Skin / one month	d) Saponification / 1-2 year
30- Tissue bridging differentiate between	
a) Burn and scald	b) cut and stab wound
c) cut and contused wound	d) contusion and hypostasis

31- The most characteristic finding of fired cartridge is	
a) Empty of its content	b) Needle mark on percussion cap
c) Rifling marks	d) Rusty scratches
32- هي تلك الجروح التي تلتئم في مدة زمنية أقل من ٢٠ يوم تاركة اثر دائم أو إعاقة ما	
a) الجروح الخطيرة	b) الجروح البسيطة
c) الجروح ذات الإعاقة	d) الجروح القطعية
33- Ventricular fibrillation is the main mechanism of death after the exposure to	
a) Electric current	b) Cold
c) Starvation and thirst	d) High environmental temperature
34- In winter season (10 °C), the 1 st measurement of rectal temperature in a carcass of cow was 30 °C. After one hour, the 2 nd measurement of rectal temperature was 28°C. Expected time elapsed since death is	
a) 1-2 hours	b) 4-5 hours
c) 10-12 hours	d) 6-8 hours
35- A carcass of dog was extracted from river in winter season. Examination revealed strong mandibular closure over aquatic weeds and mud, while all body was warm (37 °C) and in complete flaccid condition. This stiffness seems to be	
a) Beginning of rigor mortis	b) Cold stiffness
c) Normal mandibular stiffness	d) Cadaveric spasm
36- Post-mortem contusion characterized by absence of inflammatory and healing reactions.	
a) True	b) False
37- Rigor mortis appear due to	
a) Coagulation of muscle protein	b) Accumulation of lactic acid in muscles
c) Depletion of ATP production	d) Both a,b
38- In bodies died in very hot and dry climate.	
a) Putrefaction is delayed for 2-3 days	b) Cadaver loss water and shrunken within weeks
c) Fat is converted into solid greasy masses	d) The sure cause of death is sun stroke
39- Third degree of burn characterize by..... and is associated with incidence of	
a) Destruction of s/c tissue – Hypovolemic shock	b) Vesicle formation – Infection
c) Destruction of epidermis only – Pain shock	d) Destruction of dermis only – Haematogenic shock
40- Decomposition in water is in air due to in water	
a) Faster than / Presence of fish	b) Slower than / formation of adipocere
c) Slower than / Low temperature	d) Faster than / Aquatic microorganisms
41- Brown atrophy of the heart is characteristic lesion for death from	
a) Radiation	b) Brown disease
c) Heat syncope	d) Starvation
42- cause delay hypostasis formation, while prevent its occurrence at all.	
a) Hemorrhage - Infection	b) Anemia - Freezing
c) Change of position after death – profuse hemorrhage	d) Cold climate - mummification
43- is manifested by greenish visualization of superficial vessels on abdomen or chest within 2 days after death in summer	
a) Lightning strike	b) Putrefaction
c) Mineralization	d) All of them
44- The presence of internal wad inside the wound indicate that	
a) The used weapon was smooth bore	b) The used weapon is rifled weapon
c) The wound is fabricated	d) The wound is ante-mortem
45- Molecular life is	
a) Life of molecules inside the cells	b) Life of cells after death
c) Life of cells before death	d) None of them
46- Caliper of smooth bore weapons is	
a) Diameter of bullet	b) Internal diameter of smooth barrel
c) Number reflect destructive power of weapon	d) Number expressed on the base of cartridge
47- Infection may expected to be the cause of death in animal died after from high degree of burn.	
a) 2-3 hours	b) 1-2 days
c) 3-5 days	d) 30 days

48- Presence of thermal fracture in the skull is diagnostic to ante-mortem burn.	
a) True	b) False
49- Contused lacerated wound is characterized by	
a) Minimal bleeding	b) Crushed hair tips
c) Irregular edges	d) All of them
50- Death of adult healthy cat was trapped under fallen house may be expected after	
a) 1-2 days	b) 3-4 days
c) 5-10 days	d) 20-25 days
51- Cause of death from burns in open place after less than 2 hours includes.....	
a) Hematogenic shock	b) Suffocation
c) Neurogenic shock	d) Both c,b
52- Surgical, self-inflicted, defense, homicidal, suicidal and accidental are different manner for	
a) Burn	b) Incised wound
c) Electricity	d) Penetrating wound
53- All of the following are patterned abrasions EXCEPT	
a) Pressure abrasion	b) Dragging abrasion
c) Impact abrasion	d) Human bite abrasion
54- Death occurs in case of heat collapse usually due to.....	
a) Circulatory collapse	b) Asphyxia
c) CNS damage	d) None of them
55- Ante-mortem slaughter is diagnosed by	
a) Presence of blood around carcass, wound at neck region and bluish colored hypostasis	b) Presence of bloody froth inside trachea, faint hypostasis and hyperemic cut wound edges with gaping.
c) Presence of lacerated wound in neck region, rapid formed rigor mortis and rapid PM cooling	d) Presence of soot in trachea, incised stab wound in neck region and separation between head and body.
56- One week old age abrasion is characterized by	
a) Presence of brown scab if removed bled again	b) Brown discolored center with yellowish margins
c) Falling of scab leaving rosy colored tissue	d) Complete healing without scar
57- Choose the wrong statement from the following.	
a) Absence of reflexes indicated brain stem death	b) PM calorificity is increase in carcass calories due to over feeding
c) Examination of GIT help to detect time since death	d) Blood inside vessels confirm livor mortis and exclude bruise
58- We can differentiate between heat hyperpyrexia and heat exhaustion in recently died dog by	
a) Measuring of body temperature	b) Measuring of blood pressure and pulse
c) Measuring of environmental temperature	d) All of them
59- is the direct mechanism of death in case of cerebral hemorrhage.	
a) Hemorrhage	b) Asphyxia
c) Coma	d) Syncope
60- Animal loss the sensation of thirst during acute starvation after 48 hours.	
a) True	b) False
c) After 3 days	d) After 10 days
61- Length and depth may differentiate between	
a) Crush and tear wound	b) Hypostasis and contusion
c) Burn and scald	d) Stab and incised wound
62- Acute exposure to non-ionizing radiation may be manifested by	
a) Cancer and loss of hair	b) Skin ulceration, GIT bleeding edema in brain or lung
c) Skin vesicles and teratogenicity	d) Nothing
63- Hypostasis is completed after	
a) 1-2 hours after death	b) 3-4 hours before death
c) 8-10 hours before death	d) 9-10 hours after death
64- Is one of the immediate sign of death	
a) Loss of skin elasticity	b) Cooling of the body
c) Contact flattening	d) Corneal clouding

65- Cadaveric spasm affect	
a) Voluntary muscles	b) Involuntary muscles
c) Both a,b	d) Cadaveric muscles
66- Complete absence of food in GIT indicate death from chronic starvation.	
a) True	b) False
67- Correct order for internal organs putrefaction in female (from early to late)	
a) Brain – Stomach – liver – Heart – prostate	b) Larynx – Brain – liver – lung – non gravid uterus
c) Liver – Intestine – Kidney – Heart – Larynx	d) All internal organs putrefy at the same time
68- We can differentiate between antemortem and postmortem wounds by	
a) Presence of soot and carboxy Hb	b) Hair tip examination
c) Inflammatory and healing process	d) Both c,b
69- All of the following conditions retard formation of adipocere EXCEPT	
a) Cold weather	b) Running water
c) Starvation	d) Hot climate
70- Flame travel to distance equal to 1/2 length of weapon barrel causing burn around inlet wound.	
a) True	b) False
71- Abrasions can be confused with	
a) Eczema	b) Contusion
c) Chemical burn	d) Scald
72- All of the following are correct about primary flaccidity EXCEPT	
a) Respond to electric stimuli	b) Muscles still in molecular life
c) Take place due to ATP depletion in muscles	d) Its duration about 1-2 hours after death
73- Rigor mortis may confused with	
a) Cold stiffness	b) Gas stiffness
c) Heat stiffness	d) All of them
74- Forensic entomology deal with	
a) Dentition	b) Insects of cadaver
c) Firearm weapons	d) Determination the cause of death
75- يجب أن يتميز الطبيب الشرعي بالذكاء و قوة الملاحظة و العلم الواسع و مراقبة الله عزوجل و أن يكون هدفه فقط هو تحقيق العدالة	
a) True	b) False

(انتهت الأسئلة مع تمنياتنا لكم بالتوفيق و النجاح)



El Menoufia University
Faculty of Veterinary Medicine
Forensic Medicine Exam, 2020/2021



Date: 12.6.2021

Time allowed: 2 Hours

Choose the correct answer from (a), (b), (c) or (d) for each of the following 75 questions

- 1- All of the following are sure signs of death **EXCEPT**

a) Complete flaccidity	b) livor mortis
c) Rigor mortis	d) Absence of light reflex in eye pupils.
- 2- is the most accurate method to determine time elapsed after death in cadaver of cow died from anthrax at environmental temperature around 37 degree.

a) Rate of cooling	b) Extend of rigor mortis
c) Determination of vitreous potassium level	d) Examination of Gastrointestinal content emptying
- 3- is considered as one of the earliest changes after death.

a) Rigor mortis	b) Retinal vessels fragmentation
c) Secondary muscular flaccidity	d) Cooling of the body
- 4- Where does the contused wound appear similar to incised wound ?

a) Head	b) Gluteal region
c) Abdomen	d) All of them
- 5- Is defined as unexpected death for apparently healthy animal and is usually caused by In birds

a) Somatic death / heart failure	b) Brain death / cerebral hemorrhage
c) Sudden death / infectious disease	d) Coma / asphyxia
- 6- is the most recent artificial identification method in animals.

a) Freeze numbering	b) Ear tag
c) Microchips implant	d) Tattooing
- 7- Depth of stab wound is equal to length of weapon.

a) True	b) False
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- 8- A group of cows in open place are founded dead in the early morning. Some cadavers showed burn and singed hairs with bleeding from nose and ears. Another group were without any apparent signs except smelting and magnetization of metal objects (used for identification) in neck region. Suspected cause of death is

a) Big fire in the farm	b) Sun stroke of hyperpyrexia type
c) Lightning strike	d) Solar radiation
- 9- Supra-renal insufficiency is possible mechanism of death after

a) Trauma in abdominal region	b) Burn
c) Starvation	d) Both b,c
- 10- is defined as aseptic digestion of tissue after death by endogenous enzymes

a) Decomposition	b) Molecular death
c) Autolysis	d) All of them
- 11- Radiation burn is characterized by

a) Blackening and mineralization	b) Presence of vesicles containing albumen (2 nd degree)
c) Ulceration surrounded by erythema	d) Soot in trachea and high carboxy Hb content in blood
- 12- 4th degree of and Is relatively similar but easily differentiate by examination.

a) Scald – corrosion – hair	b) Burns – scald – cloths
c) Burn – corrosion – hair	d) Electric burn – thermal burn - cloths
- 13- Fat embolism may become expected cause of death after

a) Thermal burn	b) Passage of Electric current in fatty areas in the body
c) Starvation	d) Heat hyperpyrexia

14- Putrefaction is accelerated by and retarded by	
a) Wounds / emaciation	b) Adipocere / mummification
c) loss of blood / freezing	d) Warmness / infection
15- Choose the wrong statement from the following.	
a) Hypostasis is of low forensic value in animals	b) Efflux of Ca from sarcoplasmic reticulum promote rigor mortis
c) Coma is a final result to brain death	d) Hypostasis seen externally and also internally
16- The most characteristic findings on fired bullet is which seen by naked eye.	
a) Needle mark on percussion cap	b) Primary rifling marks
c) Secondary rifling scratches	d) All of them
17- All of the following are correct for rigor mortis in horse EXCEPT	
a) Occur due to formation of rigid bond between lectins muscle filaments	b) Begin after 3-4 hours and disappear after 36-48 hours from death in winter
c) It follow and followed by flaccidity	d) Muscles did not respond to electric stimuli
18- Choose the correct statement from the following	
a) Unawareness and spontaneous respiration are signs to cortical brain death.	b) Hypostasis is PM bluish discoloration begin to appear in lower compressed part after 2 hours.
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