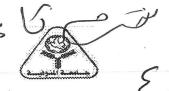
hés posériels!

Menoufia University Faculty of veterinary medicine Dept. of animal medicine and infectious diseases



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 in 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



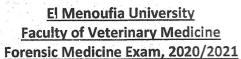


- D. Rectal enema with isotonic solution
- 47. Foal heat diarrhea is
- A. Diarrhea in the first 5-14 days of the life
- B. Self-limiting diarrhea
- C. Foal diarrhea due to hormonal change of the dame
- D. All of the above
- **48.**Simple cases of foal heat diarrhea can be treated by
- A. Zinc ointment + 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 tempany
- 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 tempany
- D. None of the above



c) Starvation





CHOOSE the correct unswer 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
e Rigor mortis	d) Absence of light reflex in eye pupils.
2 is the most accurate method to determin	ne time elapsed after death in cadaver of cow died from anthrax a
environmental temperature around 37 degree.	
a) Rate of cooling	b) Extend of rigor mortis
Determination of vitreous potassium level	d) Examination of Gastrointestinal content emptying
3 is considered as one of the earliest chan	
a) Rigor mortis	b) Retinal vessels fragmentation
c) Secondary muscular flaccidity	d) Cooling of the body
I- Where does the contused wound appear similar to	o incised wound ?
a) Head	b) Gluteal region
c) Abdomen	d) All of them
5 Is defined as unexpected death for apparently	y healthy animal and is usually caused by In birds
a) Somatic death / heart failure	b) Brain death / cerebral hemorrhage
Sudden death / infectious disease	d) Coma / asphyxia
is the most recent artificial identification me	ethod in animals.
a) Freeze numbering	b) Ear tag
c) Microchips implant	d) Tattooing
7- Depth of stab wound is equal to length of weapon	1.
a) True	b) False
8- A group of cows in open place are founded dead bleeding from nose and ears. Another group were objects (used for identification) in neck region. So	in the early morning. Some cadavers showed burn and singed hairs wit e without any apparent signs except smelting and magnetization of meta uspected 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 o	f death after
a) Trauma in abdominal region	b) Burn
c) Starvation	d) Both b,c
40 1 0 1 1 1 1 1 1 1 1 1 1	er death by endogenous enzymes
10 is defined as aseptic digestion of tissue after	
	b) Molecular death
a) Decomposition	
a) Decomposition c) Autolysis	b) Molecular death d) All of them
a) Decomposition c) Autolysis 11- Radiation burn is characterized by	d) All of them
a) Decomposition Autolysis 11- Radiation burn is characterized by a) Blackening and mineralization	d) All of them b) Presence of vesicles containing albumen (2 nd degree)
a) Decomposition c) Autolysis 11- Radiation burn is characterized by a) Blackening and mineralization c) Ulceration surrounded by erythema	d) All of them b) Presence of vesicles containing albumen (2 nd degree) d) Soot in trachea and high carboxy Hb content in blood
a) Decomposition c) Autolysis 11- Radiation burn is characterized by a) Blackening and mineralization c) Ulceration surrounded by erythema 12- 4 th degree of and Is relatively similar	d) All of them b) Presence of vesicles containing albumen (2 nd degree) d) Soot in trachea and high carboxy Hb content in blood r but easily differentiate by examination.
a) Decomposition c) Autolysis 11- Radiation burn is characterized by a) Blackening and mineralization c) Ulceration surrounded by erythema 12- 4 th degree of and Is relatively similar a) Scald – corrosion – hair	d) All of them b) Presence of vesicles containing albumen (2 nd degree) d) Soot in trachea and high carboxy Hb content in blood r but easily differentiate by examination. b) Burns – scald – cloths
a) Decomposition c) Autolysis 11- Radiation burn is characterized by a) Blackening and mineralization c) Ulceration surrounded by erythema 12- 4 th degree of and Is relatively similar	d) All of them b) Presence of vesicles containing albumen (2 nd degree) d) Soot in trachea and high carboxy Hb content in blood r but easily differentiate by examination. b) Burns – scald – cloths d) Electric burn – thermal burn – cloths

d) Heat hyperpyrexia

A- Putrefaction is accelerated by and retarded	hu
4- Putrefaction is accelerated by and retarded Wounds / emaciation	b) Adipocere / mummification
c) loss of blood / freezing	d) Warmness / infection
5- Choose the wrong statement from the following.	d) Warriness / Infection
a) Hypostasis is of low forensic value in animals	by Efflux of Co from corporational maticulars
c) Coma is a final result to brain death	b) Efflux of Ca from sarcoplasmic reticulum promote rigor mortis
6- The most characteristic findings on fired bullet is	d) Hypostasis seen externally and also internally
a) Needle mark on percussion cap	Primary rifling marks
c) Secondary rifling scratches	d) All of them
7- All of the following are correct for rigor mortis in he	a) All of trieffi
7- All of the following are correct for rigor mortis in ho	bleen b) Segin after 3-4 hours and disappear after 36-48 hours from
rectins muscle filaments	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	n are b) Hypostasis is PM bluish discoloration begin to appear in low
signs to cortical brain death.	compressed part after 2 hours.
E) Museles has the longest molecular life i	
body.	in the d) Eggs of flies are usually detected in cadaver orifices after hours since death in the summer.
19- Site of abrasions in the body usually indicate	1 Hours since death in the summer.
a) Type of causative agent	b) Type of crime
c) Its pattern	d) Violence
20 is the main cause of death after weak traus	ma in anigastria ragina
a) Stomach rupture	
c) Heart failure	b) Internal contusion
21 is wound usually take the shape of cross s	d) All of them
a) Punctured wound	
c) Contused wound	b) Firearm wound
	d) Incised wound
a) Uterus / Prostate	h in female, while Is the first part putrefied in male.
c) Tongue / Liver	b) Cornea / Intestine
	d) Heart / larynx
23 is the main cause of death due to anemia, h	ypothermia, convulsion and cyanide poisoning
a) Asphyxia	b) Cold stiffness
c) Vagal shock	d) Heart fallure
24- Excessive hemorrhage is usually considered as	
a) Cause of death	b) Mechanism of death
c) Manner of death	d) All of them
25- Site of bruise usually reflect site of applicable vic	
	b) False
26- Secondary flaccidity usually begins after PN	In mature dogs due to in summer season.
a) 36-48 hrs / effect of putrefactive bacteria	b) 1-2 hrs / nervous paralysis
27 24-36 hrs / effect of hyperthermia	d) 2-3 hrs / break down of muscle protein
27- Greenish discoloration of contusion indicate	
a) Infection	Beginning of putrefaction
c) One week old trauma	d) Nothing
28- Linear scratches are produced when pointed obj	ect dragged on the skin.
a) True	b) False
29 is responsible for adipocere formation whi	ich complete within
a) Fat / 6 months	b) Death under water/ 3 months
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

bruses

31-	The most characteristic finding of fired cartridge is .	
	a) Empty of its content	
,	c) Rifling marks	b) Needle mark on percussion cap d) Rusty scratches
32-		a) Rusty scratches
 	الجروح الخطيرة (a)	هي تلك الجروح التي تلتئم في مدة زمنية أقل من ٢٠ يوم تاركة أثر دائم أو إعاقة
	الجروح ذات الاعاقة (c)	الجروح البسطة (٥
33-	Ventricular fibrillation is the main mechanism of de	الجروح القطعية الم
1	a) Electric current	The state of the s
	c) Starvation and thirst	b) Cold
34-		d) High environmental temperature
	2 measurement of rectal temperature was 28°C.	rectal temperature in a carcass of cow was 30 °C. After one hour, the 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, write all body was warm (3/°C) a	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	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
<u> </u>	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 asso	ociated with incidence of
•	a) Destruction of s/c tissue – Hypovolemic shock	b) Vesicle formation – Infection
	c) Destruction of epidermis only – Pain shock	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
L	e) Slower than / Low temperature	d) Faster than / Aquatic microorganisms
41- E	Brown atrophy of the heart is characteristic lesion fo	or 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 hemor	rrhage d) Cold climate - mummification
43	is manifested by greenish visualization of superfic	cial vessels on abdomen or chest within 2 days after death in summer
	a) Lightening strike	b) Putrefaction
	c) Mineralization	d) All of them
44- T	he presence of internal wad inside the wound indica	ate 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- N	Nolecular life is	d) The would is ante-mortem
1	a) Life of molecules inside the cells	b) Life of cells after death
	c) Life of cells before death	d) None of them
46 - C	aliper of smooth bore weapons is	a) None of them
	a) Diameter of bullet	h) Internal diameter of an anth-
	c) Number reflect destructive power of weapon	b) Internal diameter of smooth barrel
47- Ir	nfection may expected to be the cause of death in a	d) Number expressed on the base of cartridge
	a) 2-3 hours	h) 1-2 days
	c) 3-5 days	b) 1-2 days d) 30 days
		1 44 34 4675

	8- Presence of thermal fracture in the skull is diagno	ostic to ante-mortem burn.
49	9- Contused lacerated wound is characterized by	b) False
	a) Minimal bleeding	
	c) Irregular edges	b) Crushed hair tips
50	- Death of adult healthy gat was to	
)- Death of adult healthy cat was trapped under fall a) 1-2 days	len house may be expected after
	e) 5-10 days	0) 3-4 days
51	Cauco of doals from I	
21-	- Cause of death from burns in open place after less	ss than 2 hours includes
1.0	- January Berne SHOCK	b) Suffocation
F7.	Neurogenic shock	
5z-	- Surgical, self-inflicted, defense, homicidal, suicidal a) Burn	al and accidental are different
		b) Incised wound
	c) Electricity	
53-	All of the following are patterned abrasions EXCEP	d) Penetrating wound
	a) riessure abrasion	
	c) Impact abrasion	b) Dragging abrasion
34 -	Death occurs in case of heat collapse usually due to	d) Human bite abrasion
-	a) Circulatory collapse	
-	e) CNS damage	b) Asphyxia
5-	Ante-mortem slaughter is diagnosed by	d) None of them
1	a) Presence of blood around carcass, wound at no	
	region and bluish colored hypostasis	The state of the s
	c) Presence of learned the state of the stat	Myperetific cut would edges with ganing
	c) Presence of lacerated wound in neck region,	a) Presence of soot in trachea, incised stab wound in need
6- (rapid formed rigor mortis and rapid PM cooling	and separation between head and body.
	One week old age abrasion is characterized by	
	a) Presence of brown scab if removed hed again	b) Brown discolored center with yellowish margins
- (c) Falling Of Scab leaving rosy colored tissue	d) Complete healing without scar
/- L	choose the wrong statement from the following	
	a) Absence of reflexes indicated brain stom does!	th / M DM coloniais :
	c) examination of GIT help to detect time.	the care of the ca
3- V	we can unierentiate between heat hypernyrevia an	leath (d) Blood inside vessels confirm livor mortis and exclude br
	We can differentiate between heat hyperpyrexia an a) Measuring of body temperature	in the extra distribution in recently died dog by
	c) Measuring of environmental tompour	b) Weasuring of blood pressure and pulse
	Is the direct mechanism of death in case of as	d) All of them
	a) Hemorrhage	erebral hemorrhage.
I	e) Coma	b) Asphyxia
- Aı	nimal loss the consistion of thirst during	d) Syncope
T	nimal loss the sensation of thirst during acute starv	vation after 48 hours.
	c) After 3 days	b) False
10	c) Aiter 3 days	d) After 10 days
LC.	ength and depth may differentiate between	
L	a) Crush and tear wound	b) Hypostasis and contusion
1	c) Burn and scald	
ACI	cute exposure to non-ionizing radiation may be man	unifected by
-	and loss of flair	Michigan Land
. (c) Skin vesicles and teratogenicity	Skin ulceration, GIT bleeding edema in brain or lung
Hyp	postasis is completed after	d) Nothing
Ti	a) 1-2 hours after death	
1 0	c) 8-10 hours before death	b) 3-4 hours before death
*****	Is one of the immediate sign of death	d) 9-10 hours after death
T.	a) Loss of skin elasticity	
	4) FO33 OF SKILL GIGSFICITY	h) Carling City
-	c) Contact flattening	b) Cooling of the body 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	m chronic starvation.
a) True	(b) False
67- Correct order for internal organs putrefaction in fen	nale (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 pos	tmortem 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 a	dipocere EXCEPT
a) Cold weather	b) Running water
c) Starvation	d) Hot climate
70- Flame travel to distance equal to 1/2 length of wear	oon 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 flaccion	dity EXCEPT
a) Respond to electric stimuli	b) Muscles still in molecular life
c) Take place due to ATP depletion in muscles	dy 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
Firearm weapons	d) Determination the cause of death
زوجل و أن يكون هدفه فقط هو تحقيق العدالة -75	يجب أن يتميز الطبيب الشرعي بالذكاء و قوة الملاحظة و العلم الواسع و مراقبة الله عا
(a) True	b) False

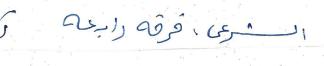
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(انتهت الأسئلة مع تمنياتنا لكم بالتوفيق و النجاح)

Secard





c) Starvation

c) Autolysis

a) Decomposition

a) Scald - corrosion - hair

c) Burn - corrosion - hair

a) Thermal burn

c) Starvation

c) Ulceration surrounded by erythema

13- Fat embolism may become expected cause of death after

Date: 12.6.2021

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



Time allowed: 2 Hours

		o), (c) or (d) for each of the following 75 questions
1- A	Ill of the following are sure signs of death EXCEPT	
1.5	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 to environmental temperature around 37 degree.	time elapsed after death in cadaver of cow died from anthrax at
	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 change	s after death.
	a) Rigor mortis	b) Retinal vessels fragmentation
	c) Secondary muscular flaccidity	d) Cooling of the body
4- V	Where does the contused wound appear similar to in	cised wound ?
	a) Head	b) Gluteal region
	c) Abdomen	d) All of them
5	Is defined as unexpected death for apparently he	ealthy 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 metho	od 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
	bleeding from nose and ears. Another group were w	he early morning. Some cadavers showed burn and singed hairs with ithout any apparent signs except smelting and magnetization of metal
	objects (used for identification) in neck region. Susp	
	a) Big fire in the farm	b) Sun stroke of hyperpyrexia type
0.0	c) Lightning strike	d) Solar radiation
9-3	Supra-renal insufficiency is possible mechanism of de	
	a) Trauma in abdominal region	b) Burn

d) Both b,c

b) Molecular death

b) Burns - scald - cloths

d) Heat hyperpyrexia

d) Electric burn - thermal burn - cloths

b) Presence of vesicles containing albumen (2nd degree)

d) Soot in trachea and high carboxy Hb content in blood

b) Passage of Electric current in fatty areas in the body

d) All of them

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

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

Putrefaction is accelerated by and retarde a) Wounds / emaciation	
c) loss of blood / freezing	b) Adipocere / mummification
5- Choose the wrong statement from the following.	d) Warmness / infection
a) Hypostasis is of low forensic value in animals	
c) Coma is a final result to brain death	The state of the s
6- The most characteristic findings on fine LL "	d) Hypostasis seen externally and also internally
6- The most characteristic findings on fired bullet is . a) Needle mark on percussion cap	which seen by naked eye.
c) Secondary rifling scratches	b) Primary rifling marks
7- All of the following are correct for min	
7- All of the following are correct for rigor mortis in h	norse EXCEPT
a) Occur due to formation of rigid bond betw lectins muscle filaments	veen b) Begin after 3-4 hours and disappear after 3
c) It follow and followed by flaccidity	death in winter
3- Choose the correct statement is	d) Muscles did not respond to electric stimuli
3- Choose the correct statement from the following	p to creatile stimuli
a) Unawareness and spontaneous respiration	are b) Hypostasis is PM bluish discoloration begin
signs to cortical brain death.	compressed part after 2 hours.
c) Muscles has the longest molecular life in body.	the d) Eggs of flies are usually detected in cadave
	hours since death in the summer.
- Site of abrasions in the body usually indicate	a court in the summer.
a) Type of causative agent	b) Type of crime
c) Its pattern	
a) Stomach rupture	in enigastric region
1,000.0	b) Internal confusion
c) Heart failure	
a) Punctured wound	ion of the used in the
	b) Financial Instrument.
c) Contused wound	b) Firearm wound
is the first organ shows stiffness after death in	d) Incised wound female, while 's the first part putrefied in male.
a) Uterus / Prostate	b) C // 's the first part putrefied in male.
c) Tongue / Liver	b) Cornea / Intestine
is the main cause of death due to anemia, hypotal	d) Heart / lary וא
a) Asphyxia	thermia, convulsion and cyanide poisoning
c) Vagal shock	b) Cold stiffness
Excessive hemorrhage is usually considered as	d) Heart faliure
a) Cause of death	
c) Manner of death	b) Mechanism of death
Site of bruise usually and the second	11
Site of bruise usually reflect site of applicable violence a) True	ce.
	b) False
Secondary flaccidity usually begins after PM in range a) 36-48 hrs / effect of putrefactive bacteria	mature dogs due to in summer season
a) 36-48 hrs / effect of putrefactive bacteria	b) 1-2 hrs / nervous paralysis
c) 24-36 hrs / effect of hyperthermia	d) 2-3 hrs / break down of muscle protein
Greenish discoloration of contusion indicate	y - 1 ms y break down of moscie protein
a) Infection	b) Beginning of putrefaction
c) One week old trauma	
inear scratches are produced when pointed object d	ragged on the clin
1 - 1 1 4 5	1 \ = 1
is responsible for adipocere formation which co	b) False
a) Fat / 6 months	
c) Skin / one month	b) Death under water/ 3 months
issue bridging differentiate between	d) Saponification / 1-2 year
a) Burn and scald	b) cut and stab wound

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 mo
c) Coma is a final result to brain death	d) Hypostasis seen externally and also internally
	which seen by naked eye
The mark on percussion can	b) Primary rifling marks
c) Secondary rifling scratches	1)
17- All of the following are correct for rigor mortis in horse	
a occur due to formation of rigid hand between	
rectifis muscle filaments	b) Begin after 3-4 hours and disappear after 36-48 hours fredeath in winter
c) It follow and followed by flaccidity	
18- Choose the correct statement from the following	d) Muscles (lid not respond to electric stimuli
d) Unawareness and spontaneous respiration are	h) Hypogracia in DAA I.I
signs to cortical brain death.	in to appear in to
c) Muscles has the longest molecular life in the	compressed part after 2 hours.
body.	The Modern detected in Canavar Unineas and
19- Site of abrasions in the body usually indicate	hours since death in the summer.
a) Type of causative agent	h) Tuno of
c) Its pattern	b) Type of crime
20 is the main cause of death after weak trauma in e	d) Violence
a) Stomach rupture	apigastric region.
c) Heart failure	b) Internal cont usion
21is wound usually take the shape of cross section (d) All of them
a) Punctured wound	of the used instrument.
c) Contused wound	b) Firearm wound
2 is the first organ shows stiff	d) Incised wound
22 is the first organ shows stiffness after death in fem a) Uterus / Prostate	nale, while 's the first part putrefied in male
c) Tongue / Liver	b) Cornea / Intestine
3- is the main as a full	d) Heart / lary וx
3 is the main cause of death due to anemia, hypother a) Asphyxia	mia, convulsion and evanide poisoning
a) Vocal de la	b) Cold stiffness
c) Vagal shock	d) Heart faliure
- Excessive Heliformage is usually considered as	
a) Cause of death	b) Mechanism of death
of ittainier of death	d) All of them
site of bruise usually reflect site of applicable violence	ay an or them
a) True	b) False
- Secondary flaccidity usually begins after PM in mate	ure dogs due to
a) 36-48 hrs / effect of putrefactive bacteria	h) 1.2 hrs / new In summer season.
c) 24-36 hrs / effect of hyperthermia	b) 1-2 hrs / nervous paralysis
- Greenish discoloration of contusion indicate	d) 2-3 hrs / break down of muscle protein
a) Intection	No. of the Control of
	b) Beginning of putrefaction
- Linear scratches are produced when pointed object dragg	d) Nothing
is responsible for adiposors formation in the	b) False
a) Fat / 6 months	lete within
c) Skin / one month	D) Death under water/ 3 months
	l) Saponification / 1-2 year
Tissue bridging differentiate between	
) cut and stab wound
) contusion and hypostasis

L- 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
	هي تلك الجروح التي تلتئم في مدة زمنية أقل من ٢٠ يوم تاركة اثر دائم أو إ
الجروح الخطيرة (a)	الجروح البسيطة (ط
الجروح ذات الاعاقة (2	الجروح القطعية (d
3- Ventricular fibrillation is the main mechanism of death	
a) Electric current	b) Cold
c) Starvation and thirst	d) High environmental temperature
1 /	tal temperature in a carcass of cow was 30 °C. After one hour, the
2 nd measurement of rectal temperature was 28°C. Ex	
a) 1-2 hours	b) 4-5 hours
c) 10-12 hours	d) 6-8 hours
	eason. Examination revealed strong mandibular closure over aquatic
	d in complete flaccid condition. This stiffness seems to be
a) Beginning of rigor mortis	b) Cold stiffness
c) Normal mandibular stiffness	d) Cadaveric spasm
6- Post-mortem contusion characterized by absence of	
a) True	b) False
7- 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
8- 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
9- Third degree of burn characterize by and is associated the same of t	
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
10- Decomposition in water is in air due to i	
a) Faster than / Presence of fish	b) Slower than / formation of adipocere
c) Slower than / Low temperature	d) Faster than / Aquatic microorganisms
11- Brown atrophy of the heart is characteristic lesion for	
a) Radiation	b) Brown disease
c) Heat syncope	d) Starvation
12 cause delay hypostasis formation, while p	
a) Hemorrhage - Infection	b) Anemia - Freezing
c) Change of position after death – profuse hemor	
	ial vessels on abdomen or chest within 2 days after death in summe
a) Lightening strike	b) Putrefaction
c) Mineralization	d) All of them
44- The presence of internal wad inside the wound indica	
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
15- Molecular life is	a) The would is the mortem
a) Life of molecules inside the cells	b) Life of cells after death
c) Life of molecules inside the cells	d) None of them
46- Caliper of smooth bore weapons is	a) Notice of them
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 a	
a) 2-3 hours	b) 1-2 days
d) 2-5 Hours	d) 30 days

48- Presence of thermal fracture in th	e skull is diagnostic to ante-mortem burn.
a) irac	b) Folos
49- Contused lacerated wound is char	acterized by
a) Minimal bleeding	b) Crushed hair tips
c) Irregular edges	1) 411 5 1
50- Death of adult healthy cat was tra	pped under fallen house may be expected after
	b) 3-4 days
c) 5-10 days	1) 20 05 1
1- Cause of death from burns in oper	n place after less than 2 hours includes
a) Hematogemic Smock	b) Suffocation
c) Neurogenic shock	IN B
2- Surgical, self-inflicted, defense, hor	d) Both c,b micidal, suicidal and accidental are different manner for
a) Burn	micidal, suicidal and accidental are different manner for
c) Electricity	b) Incised wound
3- All of the following are patterned a	d) Penetrating wound
a) Pressure abrasion	
c) Impact abrasion	b) Dragging abrasion
4- Death occurs in case of heat collaps	d) Human bite abrasion
a) Circulatory collapse	
c) CNS damage	b) Asphyxia
L. Anto-mortom claughton is diagnose	d) None of them
5- Ante-mortem slaughter is diagnose	
a) Presence of blood around carc	
region and bluish colored hypost	hyperennic cut wound edges with ganing
c) Presence of lacerated wound i	Il neck region di Proconce ef anni
rapid formed rigor mortis and rap	and separation between head and body.
6- One week old age abrasion is charac	cterized by
a) Presence of brown scab if rem	oved bled again b) Provin discalant
c) Falling of scab leaving rosy cold	ored tissue
7- Choose the wrong statement from t	he following
a) Absence of reflexes indicated by	Orain stem death b) DM calarity
c) Examination of GIT help to dete	ect time since death 1) Division in the case in carcass calories due to over te
e we can differentiate between heat	hyperpyrexia and heat exhaustion in recently its label in the mortis and exclude pri
c) Measuring of environmental to	mperature 1) Wedstring of blood pressure and pulse
is the direct mechanism of de	ath in case of cerebral hemorrhage
a) Helilottilage	b) Asphyxia
c) Coma	d) Company
- Animal loss the sensation of thirst du	Iring acute starvation after 40 haves
a) True	b) False
c) After 3 days	d) After 10 J
Length and depth may differentiate t	d) After 10 days
a) Crush and tear wound	
c) Burn and scald	b) Hypostasis and contusion
Acute exposure to non-ionizing radia	d) Stab and incised wound
a) Cancer and loss of hair	
c) Skin vesicles and teratogenicity	b) Skin ulceration, GIT bleeding edema in brain or lung
Hypostasis is completed after	d) Nothing
a) 1-2 hours after death	
c) 8-10 hours before death	b) 3-4 hours before death
Is one of the immediate sign of	d) 9-10 hours after death
12 OHE OF THE IMPRESSION OF	death
a) Loss of skin electicity	
a) Loss of skin elasticity c) Contact flattening	b) Cooling of the body 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	n chronic starvation.
	a) True	b) False
67-	Correct order for internal organs putrefaction in fem	nale (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 nutrefy at the same time
68-	We can differentiate between antemortem and post	tmortem 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 a	dipocere EXCEPT
	a) Cold weather	b) Running water
	c) Starvation	d) Hot climate
70-	Flame travel to distance equal to 1/2 length of weap	on 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 flaccid	ity 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
/3-	Rigor mortis may confused with	
	a) Cold stiffness	b) Gas stiffness
	c) Heat stiffness	d) All of them
/4-	Forensic entomology deal with	
	a) Dentition	b) Insects of cadaver
75	c) Firearm weapons	d) Determination the cause of death
75-	عزوجل و أن يكون هدفه فقط هو تحقيق العدالـه	يجب أن يتميز الطبيب الشرعي بالذكاء و قوة الملاحظة و العلم الواسع و مراقبة الله ع
	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 EXCEP	
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 nvironmental temperature around 37 degree	ine time elapsed after death in cadaver of cow died from anthrax a
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 cha	
a) Rigor mortis	b) Retinal vessels fragmentation
c) Secondary muscular flaccidity	d) Cooling of the body
4- Where does the contused wound appear similar	
a) Head	b) Gluteal region
c) Abdomen	d) All of them
5 Is defined as unexpected death for apparent	ly 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 me	
a) Freeze numbering	b) Ear tag
c) Microchips implant	d) Tattooing
7- Depth of stab wound is equal to length of weapo	
	Π_{\bullet}
a) True	b) False
a) True 8- A group of cows in open place are founded dead bleeding from nose and ears. Another group wer objects (used for identification) in neck region. S	b) False in the early morning. Some cadavers showed burn and singed hairs with e without any apparent signs except smelting and magnetization of meta Suspected cause of death is
a) True 8- A group of cows in open place are founded dead bleeding from nose and ears. Another group wer objects (used for identification) in neck region. S a) Big fire in the farm	b) False in the early morning. Some cadavers showed burn and singed hairs with we without any apparent signs except smelting and magnetization of meta
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	Sayad digitari katika bara da kata ka
그는 이번 이번 이번 이번 등록했다면 없다	
	(14) 도시대는 (1. 전) (2년 1년 1일 (1. 11) (1
14- Putrefaction is accelerated by and retarded I	hv
a) Wounds / emaciation	
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15- Choose the wrong statement from the following.	d) Warmness / infection
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c) Coma is a final result to brain death	b) Efflux of Ca from sarcoplasmic reticulum promote rigor
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17- All of the following are correct for rigor mortis in ho	rea FYCEDT
a) Occur due to formation of rigid bond between	
lectins muscle filaments	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 a	re b) Hypostasis is PM bluish discoloration begin to appear in
signs to cortical brain death.	compressed part after 2 hours.
c) Muscles has the longest molecular life in the	
body.	hours since death in the summer.
19- Site of abrasions in the body usually indicate	
a) Type of causative agent	b) Type of crime
c) Its pattern	d) Violence
20 is the main cause of death after weak trauma i	
a) Stomach rupture c) Heart failure	b) Internal contusion
	d) All of them
21 is wound usually take the shape of cross section	
a) Punctured wound	b) Firearm wound
c) Contused wound	d) Incised wound
22 is the first organ shows stiffness after death in f	iemale, while Is the first part putrefied in male.
a) Oterus / Prostate	b) Cornea / Intestine
c) Tongue / Liver	d) Heart / larynx
23 is the main cause of death due to anemia, hypotl	hermia, convulsion and cyanide poisoning
a) Aspnyxia	b) Cold stiffness
c) Vagal shock	d) Heart faliure
24- Excessive hemorrhage is usually considered as	
a) Cause of death	b) Mechanism of death
c) Manner of death	d) All of them
25- Site of bruise usually reflect site of applicable violence	
a) True	b) False
26- Secondary flaccidity usually begins after PM in r	
a) 36-48 hrs / effect of putrefactive bacteria	b) 1-2 hrs / nervous paralysis
c) 24-36 hrs / effect of hyperthermia	d) 2-3 hrs / break down of muscle protein
27- Greenish discoloration of contusion indicate	
a) Infection	b) Beginning of putrefaction
c) One week old trauma	d) Nothing
28- Linear scratches are produced when pointed object d a) True	
	b) False
29 is responsible for adipocere formation which co	
a) Fat / 6 months c) Skin / one month	b) Death under water/ 3 months
	d) Saponification / 1-2 year
30- Tissue bridging differentiate between	
c) cut and contused wound	b) cut and stab wound
	d) contusion and hypostasis

Dago La



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 EXCE	PT
a) Complete flaccidity	b) livor mortis
c) Rigor mortis	d) Absence of light reflex in eye pupils.
2 is the most accurate method to deter	mine time elapsed after death in cadaver of cow died from anthrax a
environmental temperature around 37 degre	ee.
a) Rate of cooling	b) Extend of rigor mortis
c) Determination of vitreous potassium leve	
3 is considered as one of the earliest cl	nanges 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 simila	
a) Head	b) Gluteal region
c) Abdomen	d) All of them
5 Is defined as unexpected death for appare	ntly 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 weap	oon.
a) True	b) False
8- A group of cows in open place are founded dea	nd in the early morning. Some cadavers showed burn and singed hairs with
bleeding from nose and ears. Another group w	ere without any apparent signs except smelting and magnetization of meta
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 a	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- 4 th degree of and Is relatively simi	lar 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

a) Wounds / emaciation	b) Adipocere / mummification
c) loss of blood / freezing	d) Warmness / infection
L5- Choose the wrong statement from the following.	
a) Hypostasis is of low forensic value in animals	b) Efflux of Ca from sarcoplasmic reticulum promote rig
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 ho	
a) Occur due to formation of rigid bond between	en b) Begin after 3-4 hours and disappear after 36-48 h
lectins muscle filaments	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 a	
signs to cortical brain death.	compressed part after 2 hours.
c) Muscles has the longest molecular life in the	
body.	hours since death in the summer.
L9- Site of abrasions in the body usually indicate	
a) Type of causative agent	b) Type of crime
c) Its pattern	d) Violence
20 is the main cause of death after weak trauma	
a) Stomach rupture	b) Internal contusion
c) Heart failure	d) All of them
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a) Uterus / Prostate	b) Cornea / Intestine
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a) Asphyxia	b) Cold stiffness
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25- Site of bruise usually reflect site of applicable violen	
a) True	b) False
26- Secondary flaccidity usually begins after PM in	
a) 36-48 hrs / effect of putrefactive bacteria	b) 1-2 hrs / nervous paralysis
c) 24-36 hrs / effect of hyperthermia	d) 2-3 hrs / break down of muscle protein
27- Greenish discoloration of contusion indicate	
a) Infection	b) Beginning of putrefaction
c) One week old trauma	d) Nothing
28- Linear scratches are produced when pointed object	
a) True	b) False
29 is responsible for adipocere formation which	
a) Fat / 6 months	b) Death under water/ 3 months
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- T	he 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-	عاقة ما	هي تلك الجروح التي تلتنم في مدة زمنية أقل من ٢٠ يوم تاركة اثر دائم أو إ
	a) الجروح الخطيرة	الجروح البسيطة (b
	الجروح ذات الاعاقة (c	الجروح القطعية (d
33- \	Ventricular fibrillation is the main mechanism of death	n after the exposure to
	a) Electric current	b) Cold
	c) Starvation and thirst	d) High environmental temperature
34-	In winter season (10 °C), the 1st measurement of rec	tal temperature in a carcass of cow was 30 °C. After one hour, the
li .	2 nd measurement of rectal temperature was 28°C. Ex	pected time elapsed since death is
	a) 1-2 hours	b) 4-5 hours
	c) 10-12 hours	d) 6-8 hours
35-		ason. 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	
	a) True	b) False
37- F	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
39-1	Third degree of burn characterize by and is assoc	
	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
40-1	Decomposition in water is in air due to ir	
	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	The state of the s
	a) Radiation	b) Brown disease
	c) Heat syncope	d) Starvation
42	cause delay hypostasis formation, while pr	
	a) Hemorrhage - Infection	b) Anemia - Freezing
42	c) Change of position after death – profuse hemorr	
43		al vessels on abdomen or chest within 2 days after death in summer
	a) Lightening strike	b) Putrefaction
0.0	c) Mineralization	d) All of them
44-	The presence of internal wad inside the wound indica	
2.	a) The used weapon was smooth bore	b) The used weapon is rifled weapon
45	c) The wound is fabricated	d) The wound is ante-mortem
45-	Molecular life is	Tryon at the feet of
	a) Life of molecules inside the cells	b) Life of cells after death
45	c) Life of cells before death	d) None of them
46-	Caliper of smooth bore weapons is	b) by the small dismarker of annough bound
	a) Diameter of bullet	b) Internal diameter of smooth barrel
17	c) Number reflect destructive power of weapon	d) Number expressed on the base of cartridge
4/-	Infection may expected to be the cause of death in an a) 2-3 hours	
	c) 3-5 days	b) 1-2 days d) 30 days
H 5.	i Cj 3-3 uays	u) 30 days

48- Preser	nce of thermal fracture in the skull is diagnostic	
a) T	rue	
	sed lacerated wound is characterized by	b) False
a) N	Minimal bleeding	
c) 1:	regular edges	b) Crushed hair tips
50- Death	of adult health	d) All of them
30- Death	of adult healthy cat was trapped under fallen h	ouse may be expected after
	day5	b) 3-4 days
F1 Cours	10 days	d) 20-25 days
51- Cause (of death from burns in open place after less the	an 2 hours includes
a) n	ernatogenic snock	b) Suffocation
C) No	eurogenic shock	d) Both c,b
52- Surgica	l, self-inflicted, defense, homicidal, suicidal and	d accidental are different manner for
-/-	W1.1.	b) Incised wound
	ectricity	d) Penetrating wound
53- All of th	ne following are patterned abrasions EXCEPT	T = 7 - Silect dating would
a) Pr	essure abrasion	b) Dragging abrasion
	pact abrasion	d) Human bita abrasian
54- Death o	occurs in case of heat collapse usually due to	Tay ruman bice abrasion
a) Ci	rculatory collapse	b) Asphyxia
	IS damage	
55- Ante-m	ortem slaughter is diagnosed by	d) None of them
a) Pro	esence of blood around carcass, wound at neck	
regio	n and bluish colored hypostasis	
c) Pro	esence of lacerated wound in neck region,	nyperemic cut wound edges with gaping.
rapid	formed rigor mortis and rapid PM cooling	d) Presence of soot in trachea, incised stab wound in neck re
56- One we	ek old age abrasion is characterized by	and separation between head and body.
a) Pro	esence of brown seek if	
c) Fal	esence of brown scab if removed bled again	b) Brown discolored center with yellowish margins
57- Choose	ling of scab leaving rosy colored tissue	d) Complete healing without scar
3) Choose	the wrong statement from the following.	
a) Au	sence of reflexes indicated brain stem death	b) PM caloricity is increase in carcass calories due to over
EQ MA	mination of GIT help to detect time since deat	
36- we can	differentiate between heat hyperpyrexia and heasuring of hody temperature	eat exhaustion in recently died dog by
		b) Measuring of blood pressure and pulse
c) Me	asuring of environmental temperature	d) All of thom
59- is	the direct mechanism of death in case of cere	bral hemorrhage
a) Fier	norrnage	b) Asphyxia
c) Con		d) Cuncons
60- Animal lo	oss the sensation of thirst during acute starvati	on after 48 hours
a) Tru	e	b) False
	er 3 days	d) After 10 days
61- Length a	nd depth may differentiate between	a) Aiter 10 days
a) Crus	sh and tear wound	b) Hypochada and
	n and scald	b) Hypostasis and contusion
	posure to non-ionizing radiation may be manife	d) Stab and incised wound
a) Can	cer and loss of hair	
	vesicles and teratogenicity	b) Skin ulceration, GIT bleeding edema in brain or lung
63- Hypostas	is is completed after	d) Nothing
a) 1-2	hours after death	
	hours before death	b) 3-4 hours before death
	one of the immediate sign of death	d) 9-10 hours after death
a) Loss	of skin elasticity	
	act flattening	b) Cooling of the body
- CONT	act nattening	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	n chronic starvation.
a) True	b) False
67- Correct order for internal organs putrefaction in fem	nale (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 post	tmortem 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 a	dipocere EXCEPT
a) Cold weather	b) Running water
c) Starvation	d) Hot climate
70- Flame travel to distance equal to 1/2 length of weap	oon 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 flaccion	dity 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
زوجل و أن يكون هدفه فقط هو تحقيق العدالة -75	يجب أن يتميز الطبيب الشرعي بالنكاء و قوة الملاحظة و العلم الواسع و مراقبة الله عز
a) True	b) False



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 Example 1a) Complete flaccidity	
c) Rigor mortis	b) livor mortis
	d) Absence of light reflex in eye pupils.
environmental temperature around 37 de	termine time elapsed after death in cadaver of cow died from anthrax at egree.
a) Rate of cooling	b) Extend of rigor mortis
c) Determination of vitreous potassium I	level d) Examination of Gastrointestinal content emptying
is considered as one of the earlies	st changes after death.
a) Rigor mortis	b) Retinal vessels fragmentation
c) Secondary muscular flaccidity	d) Cooling of the body
- Where does the contused wound appear sin	nilar to incised wound?
a) Head	b) Gluteal region
c) Abdomen	d) All of them
Is defined as unexpected death for appa	arently 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
is the most recent artificial identification	on method in animals
a) Freeze numbering	b) Ear tag
c) Microchips implant	d) Tattooing
- Depth of stab wound is equal to length of we	eanon
a) True	b) False
	dead in the early morning. Some cadavers showed burn and singed hairs with
bleeding from nose and ears. Another group	o were without any apparent signs except smelting and magnetization of metal
objects (used for identification) in neck regi	ion. Suspected cause of death is
a) Big fire in the farm	b) Sun stroke of hyperpyrexia type
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a) Trauma in abdominal region	b) Burn
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	Tu) All of them
1- Radiation burn is characterized by	
	h) Proconce of vecides exertising II. (and I
a) Blackening and mineralization	b) Presence of vesicles containing albumen (2 nd degree)
a) Blackening and mineralization c) Ulceration surrounded by erythema	d) Soot in trachea and high carboxy Hb content in blood
a) Blackening and mineralization c) Ulceration surrounded by erythema 2- 4 th degree of and Is relatively sin	d) Soot in trachea and high carboxy Hb content in blood milar but easily differentiate by examination.
a) Blackening and mineralization c) Ulceration surrounded by erythema 2- 4 th degree of and Is relatively sin a) Scald – corrosion – hair	d) Soot in trachea and high carboxy Hb content in blood milar but easily differentiate by examination. b) Burns — scald — cloths
a) Blackening and mineralization c) Ulceration surrounded by erythema 2- 4 th degree of and Is relatively sin a) Scald – corrosion – hair c) Burn – corrosion – hair	d) Soot in trachea and high carboxy Hb content in blood milar but easily differentiate by examination. b) Burns – scald – cloths d) Electric burn – thermal burn – cloths
a) Blackening and mineralization c) Ulceration surrounded by erythema 2- 4 th degree of and Is relatively sin a) Scald – corrosion – hair c) Burn – corrosion – hair Fat embolism may become expected cause	d) Soot in trachea and high carboxy Hb content in blood milar but easily differentiate by examination. b) Burns – scald – cloths d) Electric burn – thermal burn – cloths of death after
c) Ulceration surrounded by erythema 2- 4 th degree of and Is relatively sin a) Scald – corrosion – hair	d) Soot in trachea and high carboxy Hb content in blood milar but easily differentiate by examination. b) Burns – scald – cloths d) Electric burn – thermal burn – cloths

a) Wounds / ema	elerated by and retarded	
c) loss of blood		b) Adipocere / mummification
		d) Warmness / infection
	statement from the following.	
	of low forensic value in animals	b) Efflux of Ca from sarcoplasmic reticulum promote rigor mo
	I result to brain death	d) Hypostasis seen externally and also internally
16- The most character	istic findings on fired bullet is	which seen by naked eye.
	on percussion cap	b) Primary rifling marks
c) Secondary rifli	ng scratches	d) All of them
17- All of the following	are correct for rigor mortis in ho	orse EXCEPT
a) Occur due to	formation of rigid bond betwe	en b) Begin after 3-4 hours and disappear after 36-48 hours f
lectins muscle fil		death in winter
c) It follow and fo	ollowed by flaccidity	d) Muscles did not respond to electric stimuli
18- Choose the correct	statement from the following	
a) Unawareness	and spontaneous respiration a	are b) Hypostasis is PM bluish discoloration begin to appear in
signs to cortica	The state of the s	compressed part after 2 hours.
	the longest molecular life in t	he d) Eggs of flies are usually detected in cadaver orifices a
body.		hours since death in the summer.
19- Site of abrasions in	the body usually indicate	
a) Type of causat	ive agent	b) Type of crime
c) Its pattern		d) Violence
20 is the main ca	use of death after weak trauma	in epigastric region.
a) Stomach ruptu	ıre	b) Internal contusion
c) Heart failure		d) All of them
21 is wound usu	ally take the shape of cross secti	on of the used instrument
a) Punctured wo	und	b) Firearm wound
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a) Cause of death		
c) Manner of dea		b) Mechanism of death
	y reflect site of applicable violen	d) All of them
a) True	y reflect site of applicable violen	
	usually boging after DM in	b) False
a) 36-48 hrs / offe	ect of putrefactive bacteria	mature dogs due to in summer season.
	ect of hyperthermia	b) 1-2 hrs / nervous paralysis
	on of contusion indicate	d) 2-3 hrs / break down of muscle protein
a) Infection	on or contusion indicate	
		b) Beginning of putrefaction
c) One week old t		d) Nothing
2) True	produced when pointed object	
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	rentiate between	
a) Burn and scald		b) cut and stab wound
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