

Shivaji University , Kolhapur
Question Bank For Mar 2022 (Summer) Examination

Subject Code: DSE-F32 Subject Name : Zoology (Insect Vectors and Histology)
Common subject Code (if any)....

Q-1 Select correct alternatives and rewrite again.

- 1) Sand fly transmits.....parasite
A) Plasmodium B) Leishmania C) Zika D) Ebola
- 2) Which of the following is not a mosquito borne disease?
A) Malaria B) Dengue fever C) Yellow fever D) Viral fever
- 3) Name the vector via which Cholera is transmitted to humans?
A) Ticks B) Shadflies C) Mosquitoes D) House fly
- 4) The Zika virus outbreak was declared an epidemic mainly in which of the following regions?
A) Europe B) China and India C) Brazil and North America D) South Africa and Ghana
- 5) Kala-azar is transmitted by
A) Dragon fly B) Housefly C) Tse-tse fly D) Sand fly
- 6) Yellow fever is transmitted by
A) *Anopheles* B) *Aedes* C) Housefly D) Tse-tse fly
- 7) Newly entered Sporozoites of the malarial parasites migrate and first develop inside the.....
A) Liver
B) Brain
C) Lungs
D) Pancreas
- 8) The Dengue Virus is transmitted by
A) *Aedes sp.*
B) *Culex sp.*
C) *Anopheles sp.*
D) *Armiger sp.*
- 9) Chikungunya disease transmitted by.....
A) *Armiger sp.* B) *Aedes sp.* C) *Culex sp.* D) *Anopheles sp.*
- 10) Elephantiasis is a borne disease

- A) Bacterial B) Viral C) Protozoan D) Nematode
- 11) Vector of Elephantiasis disease is
- A) Mosquito B) Housefly C) Tse-tse fly D) Bed bug
- 12) Anopheles mosquito has.....
- A) White Bands on abdomen B) White Bands on Body C) Blackish to dark brown colour
D) Yellow bands on Body
- 13) Larvae of Mosquitoes feed on
- A) Organic Matter B) Blood C) Hair D) Bone
- 14) *Plasmodium vivax* parasite infects.....
- A) RBC. B) WBC. C) Platelets D) Stem cell
- 15) On an average Life cycle of Mosquitoes completed within a.....days
- A) 20-25days, B) 25-30 days C) 30-40 Days D) 7-12days
- 16) *Wuchereria bancrofti* cause a disease
- A) Filariasis B) Malaria C) Yellow fever D) Kala azar
- 17) Viral encephalitis affects on.....organ
- A) Liver B) Lungs C) Heart D) Brain
- 18) Mosquito can effectively control by.....
- A) Disposing Breeding habitat B) Using different Repellents C) Using Chemical
Pesticides D) Using Pheromonal trap
- 19) Larval Stage of House fly called
- A) Nymph B) Caterpillar C) Grub D) Maggot
- 20) House fly transmits.....disease
- A) Yellow fever B) Dengue C) Cholera D) Elephantiasis
- 21) Name the vector via which yellow fever is transmitted to humans?
- B) Ticks B) Shadflies C) Mosquitoes D) Rodents
- 22) Sporozoites of the malarial parasites are found in.....
- A) The saliva of female *Anopheles* mosquito, which is freshly moulted
B) The saliva of infected female *Anopheles* mosquito
C) RBCs of an infected human
D) The spleen of an infected human
- 23) The malarial parasite Plasmodium is infect.....

- A) Human liver
 - B) Human RBCs
 - C) Salivary glands of female *Anopheles*
 - D) The gut of female *Anopheles*
- 24) Chikungunya isdisease
 A) Bacterial B) Viral C) Protozoan D) Fungal
- 25) Malarial is.....disease
 A) Bacterial B) Viral C) Protozoan D) Fungal
- 26) Anopheles mosquito has.....
 A) White Bands on abdomen B) White Bands on Body C) Blackish to dark brown patches on lateral side of wing. D) Yellow bands on Body
- 27) Larvae of Sand fly feeds on
 A) Organic Matter B) Blood C) Hair D) Bone
- 28) On an average Life cycle of Mosquitoes completed within a.....days
 A) 20-25days, B) 25-30 days C) 30-40 Days D) 7-12days
- 29) The Aedes mosquito transmits disease.
 A) Dengue
 B) Malaria
 C) Smallpox
 D) Jaundice
- 30) Larval Stage of House fly called
 A) Nymph B) Caterpillar C) Grub D) Maggot
- 31) Which of following mosquito seating in 45° triangle while taking meal.
 A) Female Anopheles B) Female Culex C) Female Aedes D) Female Armigeres.
- 32) Rat flea transmits.....disease.
 A) Dengue B) Malaria C) Plague D) Filariasis
- 33)is the layer of stomach wall contains gastric glands.
 Endocrine unit of pancreas is.....
 A) Pancreatic acini B) Islets of Langerhans C) Von Ebner glands D) Centroacinar cells
- 34) Pancreatic beta cell secretes.....
 A) Glucagon B) Insulin C) Gastrin D) Somatostatin
- 35) Stratified squamous non-keratinized epithelium is a feature of.....

A) Oesophagus B) stomach C) liver D) kidney

36) The epithelium of the gallbladder is composed of.....

- A) Simple columnar epithelium C) Psuedostratified epithelium
B) Ciliated columnar epithelium D) Simple squamous epithelium

37) The histological structure of..... organ lacks goblet cells.

- A) Nasal cavity B) Ileum C) Trachea D) Oesophagus

38) The parotid glands are open through.....

- A) Stensen's duct B) Wharton's duct C) Bartholin's duct D) Blandin's duct

39) The encloses the kidneys.

- A) Hilum B) Renal papillae C) Renal fascia D) Renal pyramid.

40) The parotid glands are open through.....

- B) Stensen's duct B) Wharton's duct C) Bartholin's duct D) Blandin's duct

Q-2 Long question (Each question carries 10 marks)

- i) Write in brief about insect vectors Mosquitoes, Sand fly and Housefly.
- ii) Describe the life cycle of Sand fly with suitable diagram and write in brief on its control measures.
- iii) Describe life cycle of Mosquito with suitable diagram and write in brief on its control measures.
- iv) Describe life cycle of House fly with suitable diagram and write in brief on its control measures.
- v) Explain in detail mode of infection of mosquito born disease Malaria.
- vi) Explain in detail mode of infection of mosquito born disease Dengue.
- vii) Explain in detail mode of infection of mosquito born disease Chikungunya.
- viii) Explain in detail mode infection of mosquito born disease Filariasis.
- ix) Explain in detail mode infection of mosquito born disease Viral encephalitis.
- x) Write in detail Life cycle of House fly and Explain Housefly born disease.
- xi) Explain in detail life cycle of Rat flea and Flea-borne disease plague.
- xii) Explain in detail life cycle of Rat flea and Flea-borne disease typhus fever.
- xiii) Write in detail prevention and control measures of insect vectors.

- xiv) List the mosquito borne diseases and write in brief about it.
- xv) Describe life cycle of rat flea with suitable diagram and write in brief on its control measures.
- xvi) Describe in detail histological structure of mammalian Tooth and tongue of with suitable diagram.
- xvii) Describe in detail histological structure of mammalian Salivary gland and Stomach with suitable diagram.
- xviii) Describe in detail histological structure of mammalian Duodenum and Liver with suitable diagram.
- xix) Describe in detail histological structure of mammalian Pancreas and Kidney with suitable diagram.
- xx) Describe in detail histological structure of mammalian Ileum and Kidney with suitable diagram.

Q-3 Write short note on following.

- i) Mosquitoes as a vector.
- ii) Housefly as a vector.
- iii) Sand fly as a vector.
- iv) Mode of infection of malaria disease.
- v) Mode of infection of Dengue disease.
- vi) Mode of infection of Chikungunya disease.
- vii) Mode of infection of Filariasis disease.
- viii) Mode of infection of viral encephalitis.
- ix) Control measures of Mosquitoes.
- x) Control measures of house fly.
- xi) Flea as an insect vectors.
- xii) Host-specificity.
- xiii) Write in brief on Plague
- xiv) Write in brief on Typhus fever.
- xv) Control measures of Rat flea.
- xvi) Housefly born diseases.
- xvii) Explain in brief Histology of mammal Tooth with suitable diagram.

- xviii) Explain in brief Histology of mammal Tongue with suitable diagram.
- xix) Explain in brief Histology of mammal Salivary glands with suitable diagram.
- xx) Explain in brief Histology of mammal Duodenum with suitable diagram.
- xxi) Explain in brief Histology of mammal Stomach with suitable diagram.
- xxii) Explain in brief Histology of mammal Liver with suitable diagram.
- xxiii) Explain in brief Histology of mammal Pancreas with suitable diagram.
- xxiv) Explain in brief Histology of mammal Kidney with suitable diagram.
- xxv) Explain in brief Histology of mammal Ileum with suitable diagram.
