1. The most dangerous creatures on earth responsible for killing more people than all the wars in history and also responsible for spreading and transmitting every year many dreaded diseases to more than 200 million are:
   (a) Mosquitoes
   (b) Dogs
   (c) Pigs
   (d) Birds

2. Illness borne out of mosquito bite or mosquito-borne diseases are diseases caused by:
   (a) Protozoan parasites
   (b) Viral parasites
   (c) Helminthes parasites
   (d) All are correct

3. Plasmodium is the protozoan parasite that causes malaria. This is transmitted to humans by the bites of infected
   (a) Female Anopheles Mosquitoes
   (b) Male Anopheles Mosquitoes
   (c) Both males and females
   (d) Males in summer and Females in spring.

4. Dengue (pronounced den’ gee) fever also called as the break-bone fever is a disease caused by any one of four closely related dengue virus serotypes (DENV 1, DENV 2, DENV 3, or DENV 4). Dengue is transmitted to people by the bite of an infected mosquito belonging to the genus
   (a) Anopheles
   (b) Culex
   (c) Both A and B
   (d) Aedes

5. Lymphatic filariasis or elephantiasis is a parasitic disease caused by microscopic, thread-like worms known as filariae belonging to the species *Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori*. The disease is spread through the biting of the infected mosquitoes belonging to the genus
   (a) Anopheles
   (b) Aedes
   (c) Ochlerotatus
   (d) Culex

6. First identified in the West Nile sub-region in the East African nation of Uganda in 1937, West Nile virus (WNV) is transmitted through female mosquitoes, which are the prime vectors of the virus. Commonly the important mosquitoes that help spread this virus are
   (a) *Culex pipiens*
   (b) *Culex tarsalis*
   (c) *Culex quinquefasciatus*
   (d) All are correct

7. The most common symptoms of chikungunya virus infection are sudden onset of fever usually lasting two to seven days, and joint pains typically lasting weeks or months or sometimes years. The virus is passed to humans by two species of mosquito of the genus Aedes which includes the forest mosquito also called
   (a) Asian tiger mosquito
   (b) Japanese tiger mosquito
   (c) American tiger mosquito
   (d) Indian tiger mosquito

8. American planners and builders faced challenges while constructing the Panama Canal that went far beyond politics and engineering. The deadly disease of yellow fever had already defeated French efforts to construct a Panama in 1880s. Known historically as yellow jack, yellow plague, or bronze john, Yellow fever is an acute viral haemorrhagic disease transmitted by infected mosquitoes belonging to
   (a) Aedes
   (b) Haemogogus
   (c) Both A and B are correct
   (d) Anopheles

9. Japanese encephalitis also known as Japanese B encephalitis is a disease caused by the mosquito-borne Japanese encephalitis virus. Domestic pigs and wild birds especially herons are reservoirs of the virus whereas the most important vectors of this disease are the mosquitoes *Culex tritaeniorhynchus* and *Culex vishnui*. The disease is most prevalent in Southeast Asia and
   (a) East Asia
   (b) West Asia
   (c) North Asia
   (d) Australia
10. Saint Louis encephalitis is caused by the Saint Louis encephalitis virus (SLEV) which is transmitted to humans by the bite of an infected mosquito belonging to
(a) Culex
(b) Mansonia
(c) Aedes
(d) Anopheles

11. Seen primarily in the states west of the Mississippi River is WEE (Western equine encephalomyelitis). The causative agent of this relatively uncommon viral disease Western equine encephalomyelitis virus is transmitted by mosquitoes of the genera Culex and
(a) Cetonia
(b) Tabannaeada
(c) Culiseta
(d) Anopheles

12. Discovered in 1965 the La Crosse encephalitis (LAC encephalitis) is caused by LAC virus which is a zoonotic pathogen cycled between the daytime-biting tree hole mosquito, Aedes triseriatus also called Ochlerotatus triseriatus and vertebrate amplifier hosts (chipmunks, tree squirrels). Most cases of LAC encephalitis occur in persons under
(a) 6 years of age
(b) 10 years of age
(c) 14 years of age
(d) 16 years of age

13. Caused by Zika virus, the Zika fever shows signs of fever, conjunctivitis, transient arthritis/arthralgia, maculo-papular rash that often starts on the face and then spreads throughout the body. It is transmitted by mosquitoes and has been isolated from a number of species in the genus Aedes. The fever and virus are named after the forest of a country in Africa where the virus was first isolated. Name the country.
(a) Madagascar
(b) Uganda
(c) Kenya
(d) Tanzania

Answers:
(1)a (2)d (3)a (4)d (5)d (6)d (7)a
(8)c (9)a (10)b (11)c (12)d (13)b

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