

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0124]

JANUARY 2024

Sub. Code :1503

D.M. – VIROLOGY

PAPER – III – CLINICAL VIROLOGY & OUTBREAK RESPONSE

Q.P. Code: 161503

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Which are the infections seen in solid organ transplant recipients? Describe the laboratory diagnosis, monitoring, treatment and prevention of any one of them.
2. Which are the vaccine preventable viral diseases? Describe the type of vaccine mode of delivery, desired age group with vaccination schedule where relevant.

II. Write notes on:

(10 x 7 = 70)

1. Slow virus infections.
2. Crimean Congo haemorrhagic fever.
3. Opportunistic viral infections.
4. Anti-retroviral therapy.
5. Filoviruses.
6. Slapped cheek appearance.
7. Prevention of vertical transmission of hepatitis B virus.
8. Avian influenza.
9. Nosocomial viral infections.
10. Zoonotic viral infections.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0225]

FEBRUARY 2025

Sub. Code :1503

D.M. – VIROLOGY

PAPER III – CLINICAL VIROLOGY & OUTBREAK RESPONSE

Q.P. Code: 161503

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. List the viral agents causing infections in transplant recipients. Discuss the virology, clinical presentation, and diagnostic modalities for Cytomegalovirus infections in bone marrow transplant (BMT) recipients.
2. What is Vaccine-derived poliovirus (VDPV)? Discuss the different types of VDPV. List the steps in the investigation of an outbreak of flaccid paralysis caused by VDPV. Discuss the methods for laboratory confirmation. Compare and contrast wild-type polio virus and VDPV.

II. Write notes on:

(10 x 7 = 70)

1. Congenital Rubella Syndrome.
2. Influenza outbreaks in childcare facilities.
3. Acute Encephalitis Syndrome.
4. Measles virus transmission.
5. HFMD.
6. Influenza B Yamagata lineage.
7. Pandemic preparedness plan.
8. HIV-HBV co-infection.
9. Norovirus.
10. Pathogen X.
