

1. Which one of the following is CORRECT? The incidence of abdominal complications following ventriculoperitoneal shunt procedures is reported to be:
  - A. 3%
  - B. 7%
  - C. 12%
  - D. 24%
  - E. 32%.
2. Which one of the following is NOT correct? A swelling in the inguinoscrotal region of a young boy is associated with:
  - A. Indirect inguinal hernia
  - B. Femoral triangle lymphadenopathy
  - C. Hydrocele
  - D. Torsion of the testis
  - E. Testicular maldescent.
3. Which one of the following does NOT constitute a component of the extensor mechanism of the knee:
  - A. Quadriceps muscle
  - B. Tibialis anterior muscle
  - C. Patellar retinaculum
  - D. Patella
  - E. Patellar ligament.
4. Which one of the following applies in Sinding-Larsen-Johannson syndrome:
  - A. Synovitis of the suprapatellar bursa
  - B. Osteonecrosis of the patella
  - C. Epiphysitis of the patella
  - D. Osteochondrosis of the patella
  - E. Osteochondritis of the patella.
5. Choose the condition that is NOT likely to be the cause of pain and disability of knee extension in an otherwise well adolescent:
  - A. Osteogenic sarcoma of the lower end of the femur
  - B. Patellar ligament rupture
  - C. Quadriceps tendinopathy
  - D. Patellar dislocation
  - E. Prepatellar bursitis.
6. Kala-azar is a chronic infection caused by which one of the following:
  - A. *Histoplasma capsulatum*
  - B. *Leishmania donovani*
  - C. *Yersinia enterocolitica*
  - D. *Pasteurella pseudotuberculosis*
  - E. *Torula*.
7. Choose the WRONG statement. In India, Kala-azar usually presents with:
  - A. Fever
  - B. Generalised lymphadenopathy
  - C. Anaemia
  - D. Weight loss
  - E. Hepatosplenomegaly.
8. In which one of the following conditions is fine-needle aspiration NOT sufficient to establish the diagnosis in a patient with lymphadenopathy:
  - A. Bacterial adenitis
  - B. HIV infection
  - C. Tuberculosis
  - D. Histoplasmosis
  - E. Lymphoma.
9. When HIV-infected mothers receive adequate treatment to prevent mother-to-child transmission, their breastfed babies have what risk of becoming HIV infected:
  - A. Less than 5%
  - B. 5 - 10%
  - C. 10 - 15%
  - D. 15 - 20%
  - E. More than 20%.
10. Choose the WRONG statement. The dysregulation of the T-cell immune system in haemophagocytic lymphohistiocytosis leads to:
  - A. AIDS
  - B. Cytokine release
  - C. Monocyte activation
  - D. Histocyte proliferation
  - E. Erythrophagocytosis.
11. Primary haemophagocytic lymphohistiocytosis is a congenital disorder with which inheritance pattern:
  - A. Sporadic occurrence
  - B. Multifactorial inheritance
  - C. Autosomal dominant pattern
  - D. Autosomal recessive pattern
  - E. X-linked recessive pattern.
12. Choose the WRONG statement. Secondary haemophagocytic lymphohistiocytosis results from T-cell dysregulation due to the following:
  - A. HIV infection
  - B. Malignancy
  - C. Autoimmunity
  - D. Epstein-Barr virus infection
  - E. Malnutrition.
13. Antiretroviral therapy should be started in HIV-infected infants younger than 1 year of age:
  - A. On diagnosis
  - B. When they become symptomatic
  - C. Only after age 1 year
  - D. When the CD4 count is below 200
  - E. When the viral load reaches  $10^5$ .
14. Which of the following scenarios is sufficient to confirm HIV infection in a baby less than 1 year of age:
  - A. A single ELISA test positive
  - B. A repeat ELISA test positive on the same sample
  - C. ELISA test positive plus DNA PCR test positive on separate samples
  - D. HIV RNA PCR test positive on a single test
  - E. HIV DNA PCR test positive as a single test.
15. True (A) or false (B):
 

One per cent of newborns require extensive resuscitation at birth.
16. True (A) or false (B):
 

After oxygen, deaths from neonatal respiratory distress can only be reduced further by providing intubation and ventilator care.
17. True (A) or false (B):
 

Neonatal conditions are responsible for one-third of the deaths in children under 5 years of age.
18. True (A) or false (B):
 

In order to reduce the under-5 mortality rate, the three most important issues to concentrate on are newborn care, respiratory infections and diarrhoeal diseases.
19. True (A) or false (B):
 

The neonatal mortality rate can be reduced by an emphasis on neonatal intensive care.
20. True (A) or false (B):
 

Worldwide, more children die of diarrhoea than of HIV infection.