



Compiled by Dr Chanchal Samanta

Select the correct answer :

- Q1.** All of the following statements about nateglinide are true, except:
- Decreases post-prandial hyperglycemia.
  - Hypoglycemia is less common than with sulfonylureas.
  - It decreases insulin resistance.
  - It acts by releasing insulin.
- Q2.** Human insulin as compared to pork/beef insulin is:
- More potent.
  - Rapidly absorbed.
  - Longer acting.
  - More antigenic.
- Q3.** Which of the following characteristics makes metformin a preferred biguanide than phenformin?
- It is more potent.
  - It is less liable to cause lactic acidosis.
  - It does not interfere with vitamin B12 absorption.
  - It is not contraindicated in patients with kidney disease.
- Q4.** Flushing is common in patients taking which of the following oral hypoglycemic drug with alcohol?
- Chlorpropamide.
  - Phenformin.
  - Glibenclamide.
  - Tolazamide.
- Q5.** Immune alteration seen in diabetes is:
- Diminished chemotaxis.
  - Lower level of IgG and IgA.
  - Low C4 levels.
  - All of the above.
- Q6.** Drug of choice for management of diabetes with HIV is:
- Sulfonylureas.
  - Metformin.
  - Thiazolidinediones.
  - Insulin.
- Q7.** Assertion-Nonketotic hyperosmolar coma is a common complication than diabetic ketoacidosis in type 2 diabetes.  
Reason-Insulin has a fat sparing effect preventing fatty acid oxidation.
- Both assertion and reason are true and reason is correct explanation of assertion.
  - Both assertion and reason are true and reason is not the correct explanation of assertion.
  - Assertion is true and reason is false.
  - Both assertion and reason are false.
- Q8.** As per Wagner's classification of diabetic foot, deep ulceration that penetrates up to tendon, bone or joint is classified as:
- Grade 2
  - Grade 3
  - Grade 4
  - Grade 5
- Q9.** First SGLT2 inhibitor to be approved by FDA is:
- Canagliflozin.
  - Dapagliflozin.
  - Empagliflozin.
  - Tofogliflozin.
- Q10.** Half-life of insulin degludeg is:
- 23.4 hours.
  - 24.4 hours.
  - 25.5 hours.
  - 26.4 hours.
- Q11.** Serum sodium in hyperglycemic hyperosmolar non-ketotic state (HHNKS) is:
- Low.
  - Normal.
  - High.
  - Low, normal or high, but total body sodium always low.
- Q12.** All of the following are criteria for admitting a patient of DKA in ICU except:
- Blood glucose = 500-800.
  - pH < 7.2
  - Age < 2 years.
  - Unconscious or other neurological symptoms.
- Q13.** Insulin was invented by Banting and Best from the pancreas of a dog named:
- Maria.
  - Marijua.
  - Maripova.
  - Marjory.
- 14.** First treatment according to priority in severe DKA is:
- Insulin therapy.
  - Bicarbonate therapy.
  - Correction of potassium level.
  - Fluid repletion.
- 15.** Protein tyrosine phosphatase nonreceptor type 22 (PTPN 22) gene which has been shown to be strongly associated with type 1 diabetes is located on chromosome:
- 1p13
  - 1q13
  - 2p13
  - 2q13

(Answers on page 52)