

Fellowship in Pediatric Endocrinology : WINTER - 2018

SUBJECT : PAPER – I

Day : Monday
Date : 22/10/2018

W-2018-3642

Time : 10.00 AM TO 12.00 NOON
Max. Marks : 50

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Neat diagrams must be drawn **WHEREVER** necessary.
 - 4) Your answer will be valued as a whole.
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Q.1 Describe in brief the pathophysiology, investigations and management of a new born with suspected Hyperinsulinemic Hypoglycemia (HH). [20]

Q.2 Attempt **ANY FOUR** of the following: [20]

- a) Monogenic Obesity.
- b) Importance of thyroid Nuclear Scan.
- c) Backdoor pathway in Congenital adrenal hyperplasia.
- d) 46 XX testicular DSD.
- e) Growth without growth hormone.

Q.3 Answer the following multiple choice questions (only one answer is correct): [10]

- 1) A 5 years boy underwent surgery for Craniopharyngioma, following which pituitary functions were lost. Which of the following hormone should be replaced first?
 - a) Thyroxine
 - b) Prolactin
 - c) Hydrocortisone
 - d) Growth hormone
- 2) A 14 year old boy is below 3rd percentile for height. His growth velocity is normal but chronological age is more than the skeletal age. The most likely diagnosis is
 - a) Familial short stature
 - b) Constitutional delay in growth
 - c) Hypopituitarism
 - d) Primordial dwarfism
- 3) Epiphyseal dysgenesis is associated with which endocrine disorder?
 - a) Addison's disease
 - b) Hypoparathyroidism
 - c) Hypothyroidism
 - d) Cushing syndrome

P.T.O.

- 4) Not a feature of Laurence Moon Biedl syndrome
- a) Retinitis pigmentosa
 - b) Diabetes Insipidus
 - c) Polydactyly
 - d) Mental Retardation
- 5) Most common cause of congenital hypothyroidism is
- a) Prendred syndrome
 - b) Thyroid dysgenesis
 - c) TBG deficiency
 - d) Central hypothyroidism
- 6) The dose of growth hormone is lowest in
- a) GH deficiency
 - b) Small for Gestational Age babies
 - c) ISS
 - d) Turners syndrome
- 7) Growth hormone
- a) Is a polypeptide
 - b) Is not species specific
 - c) Is a steroid
 - d) Is secreted by posterior pituitary
- 8) Following is useful to diagnose recurrence of thyroid cancer
- a) FT4
 - b) Thyroid binding globulin
 - c) Thyroglobulin
 - d) All of the above
- 9) Regarding True PP, what is not correct?
- a) It is more common in boys
 - b) Bone age is not advanced
 - c) Is always isosexual
 - d) Before the age of 8 in girls is precocious
- 10) Following is not an example of genomic imprinting
- a) PWS
 - b) RSS
 - c) Transient neonatal diabetes
 - d) LMB Syndrome

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