

# CONCEPT ACADEMY

## “UTSAAH” Test Series

“Live out of your imagination, not your history.” —*Stephen Covey*

Subject – Science VIII | OLYMPIADS | RMS | SAINIK SCHOOL | NTSE

Utsaah Test No. 11

### Topic- Chapter 5

#### Chapter 10- Reaching the age of Adolescence

NOTE- Paper Contains 20 MCQ, Each carry 2 marks.

There is no negative marking.

- When a sperm having X-chromosome fuses with the ovum, the child born will be
  - male
  - female**
  - male as well as female twin
  - it depends on the chance of fusion
- How many pairs of Chromosomes are found in nuclei of their cells of human?
  - 22 pairs
  - 23 pairs**
  - 24 pairs
  - 25 pairs
- Children gain height during
  - adolescence**
  - endocrine
  - balanced food
  - menarche
- Adam's apple is
  - enlarged larynx**
  - mammary glands
  - apple of adam
  - red apple
- The chemical substances which are secreted from endocrine glands are called
  - puberty
  - hormones**
  - estrogen
  - adolescence
- Out of these which one determines the sex of the baby?
  - Hormones
  - Chloroplast
  - Chromosomes**
  - Pituitary gland
- Which hormone is secreted by adrenal glands?
  - Adrenalin**
  - Insulin
  - Testosterone
  - Estrogen
- Reproduction age in women starts when their
  - menstruation starts**
  - breasts start developing
  - body weight increases
  - height increases
- In males, the sex chromosome consists
  - one X and one Y**
  - both X and X
  - both Y and Y
  - one M and one X
- Production of thyroxin requires
  - sodium
  - magnesium
  - iodine**
  - bromine
- The period of life, when the body undergoes changes, leading to reproductive maturity, is called
  - childhood
  - adolescence**
  - Grown up
  - Old age
- The human body undergoes several changes during adolescence. These changes mark the onset of
  - Puberty**
  - Prematurity

- (c) Post adolescence  
(d) ageing

13. Adam's apple is prominent in

- (a) Boys of any age  
(b) Adolescent girls  
(c) Girls of any age  
**(d) Adolescent boys**

14. Larynx is also called

- (a) Voice box**  
(b) Sound box  
(c) Black box  
(d) All of the above

15. Acne and pimples on the face is due to secretion of

- (a) bile from liver  
**(b) Oil glands during puberty**  
(c) Enzymes in the digestive tract  
(d) Tear from tear glands

16. Menopause occurs at the age of

- (a) 10-12 years in boys  
(b) 45-50 years in men  
(c) 10-12 years in girls  
**(d) 45-50 years in women**

17. When a sperm containing Y chromosome fertilizes an egg with X chromosome, the zygote develops into a \_\_\_\_\_ child

- (a) Female**  
(b) Either a male or female  
(c) Male  
(d) No child

18. The change from larvae to adult is called

- (a) Metabolism  
**(b) Metamorphosis**  
(c) Metastasis  
(d) Morphology

19. Hormones are secreted from endocrine glands

- (a) True**  
(b) False

20. Adolescence period cover 30-35 years of age

- (a) True  
**(b) False**

21. Match the following items given in Column 'A' with that in Column B':

Column A	Column B
(i) Pituitary gland	(a) Thyroxine
(ii) Thyroid gland	(b) Adrenalin
(iii) Adrenal gland	(c) Insulin
(iv) Pancreas	(d) Master gland
(v) XX chromosomes	(e) Boy
(vi) XY chromosomes	(f) Girl

Answers

Column A      Column B

- (i) Pituitary gland      (d) Master gland  
(ii) Thyroid gland      (a) Thyroxine  
(iii) Adrenal gland      (b) Adrenalin  
(iv) Pancreas              (c) Insulin  
(v) XX chromosomes      (f) Girl  
(vi) XY chromosomes      (e) Boy