

Biology

Class- 3

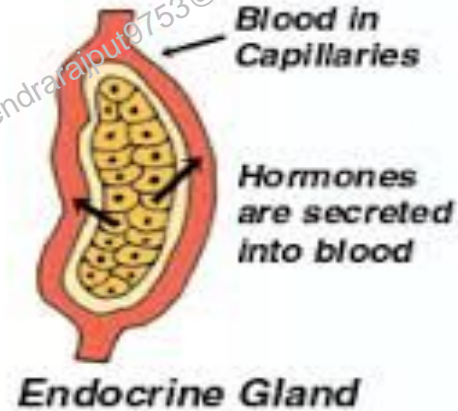
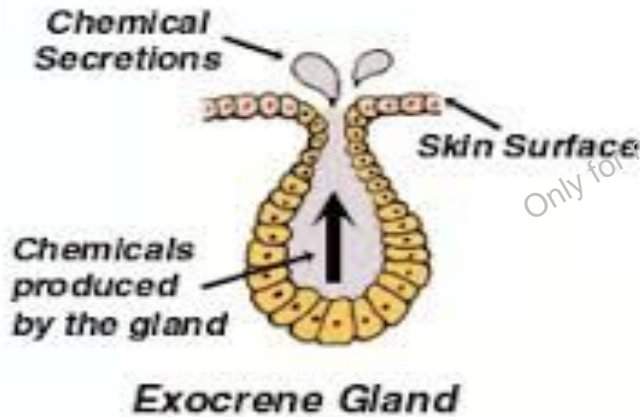
Consider the following:

- 1) Bacteria
- 2) Fungi
- 3) Virus

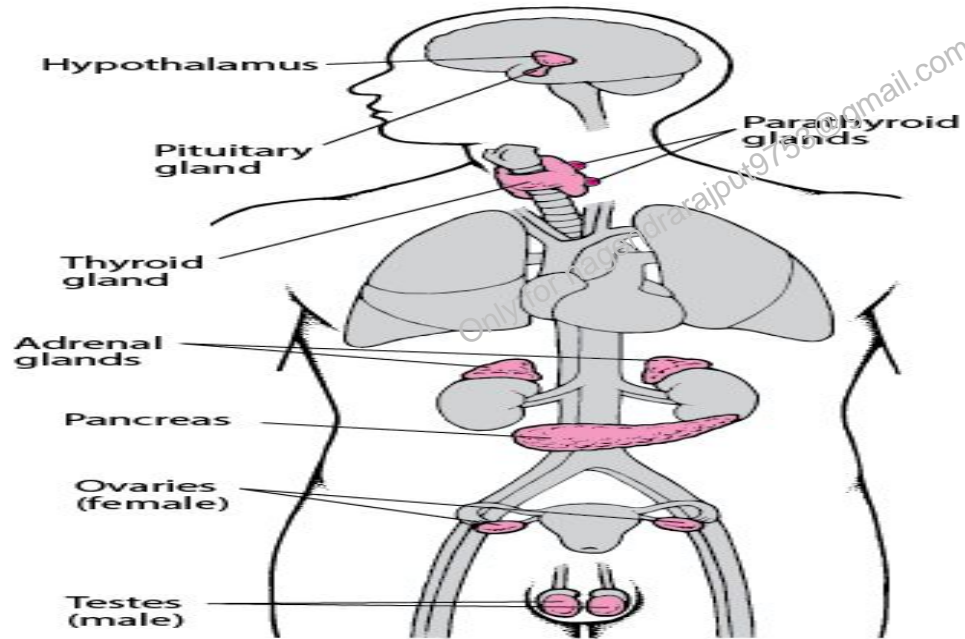
Which of the above can be cultured in artificial/synthetic medium?

- a) 1 and 2 Only
- b) 2 and 3 Only
- c) 1 and 3 Only
- d) 1, 2 and 3

Glands



Endocrine Glands

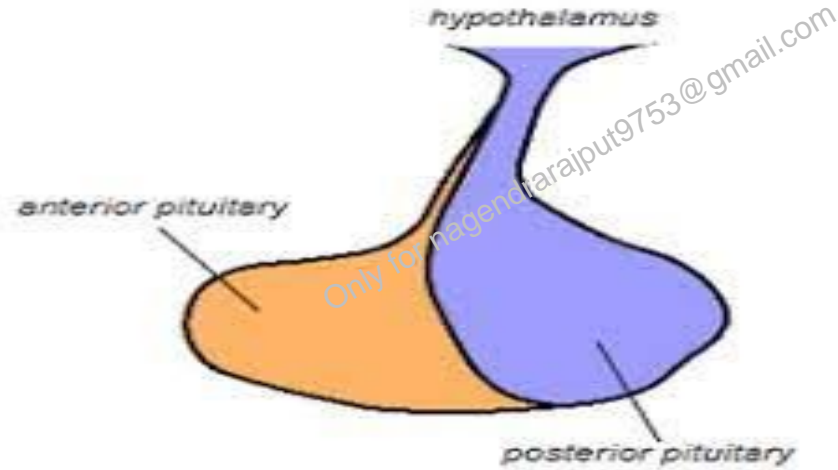


Hypothalamus

- Releasing Hormone
- Inhibiting Hormone

Only for nagendrarajput9753@gmail.com

PITUITARY GLAND



ANTERIOR PITUITARY

- Thyroid stimulating Hormone (TSH)
- Prolactin
- Adrenocorticotrophic hormone (ACTH)
- Follicle-stimulating hormone (FSH).
- Growth hormone (GH)
- Luteinizing hormone (LH)

Posterior Pituitary

- Antidiuretic hormone (ADH, or vasopressin).
- Oxytocin.

Only for nagendrarajput9753@gmail.com

Thyroid gland

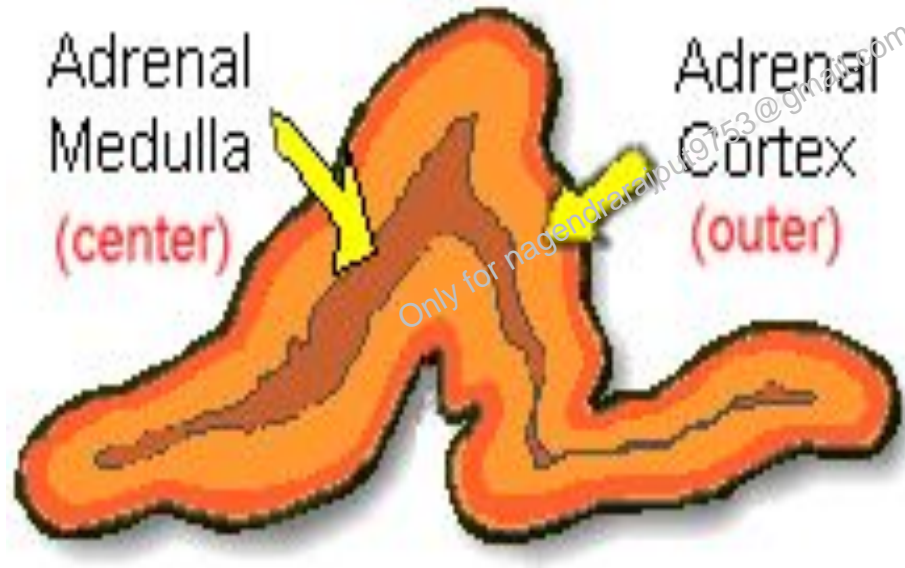
- Thyroid hormone or Thyroxine

Parathyroid gland

- Parathyroid hormone

Only for nagendrarajput9753@gmail.com

Adrenal gland



Adrenal Medulla

- Adrenaline
- Noradrenaline

Adrenal Cortex

- Mineralocorticoids
- Glucocorticoids

Only for nagendraraj@9753@gmail.com

Pancreas

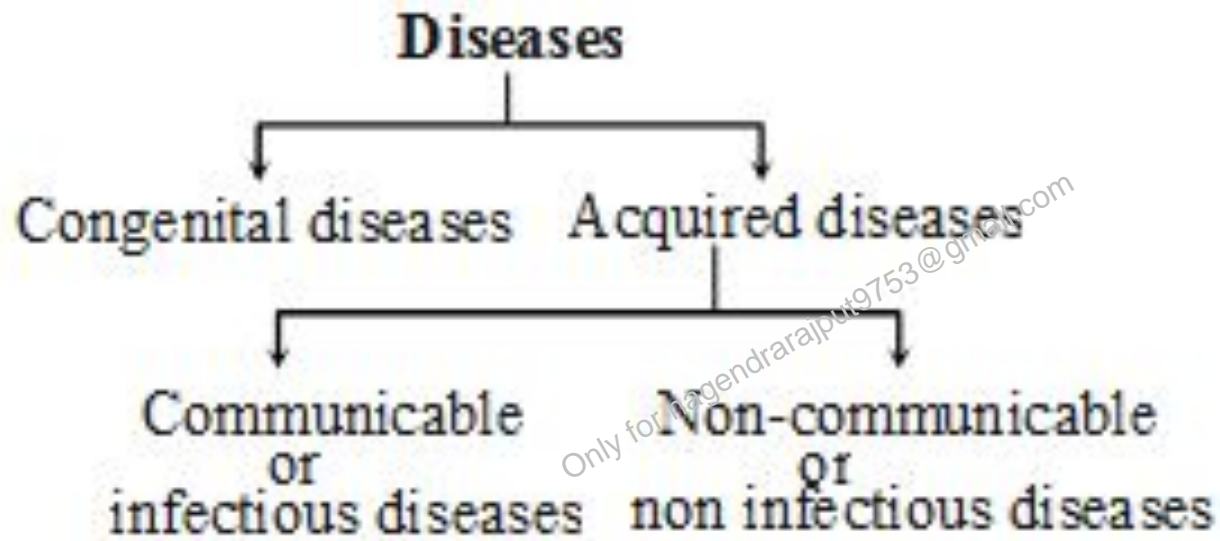
- Insulin
- Glucagon

Only for nagendrarajput9753@gmail.com

The pituitary gland by virtue of its tropic hormones controls the secretory activity of other endocrine glands. Which one of the following endocrine glands can function independent of the pituitary gland ?

- (a) Thyroid
- (b) Gonads
- (c) Adrenals
- (d) Parathyroid





Non- Communicable Diseases

- Cardiovascular diseases
- Respiratory diseases
- Deficiency diseases
- Mental disorders
- Environmental diseases
- Occupational diseases
- Cancer

Only for nagendrarajput9753@gmail.com

Modes of transmission

- ☐ Air
- ☐ Water
- ☐ Food
- ☐ Soil
- ☐ Blood and body fluids
- ☐ Direct contact
- ☐ Fomite
- ☐ Zoonotic
- ☐ Vector

Only for nagendrarajput9753@gmail.com

Vector

Mechanical Vector



Biological Vector



VS

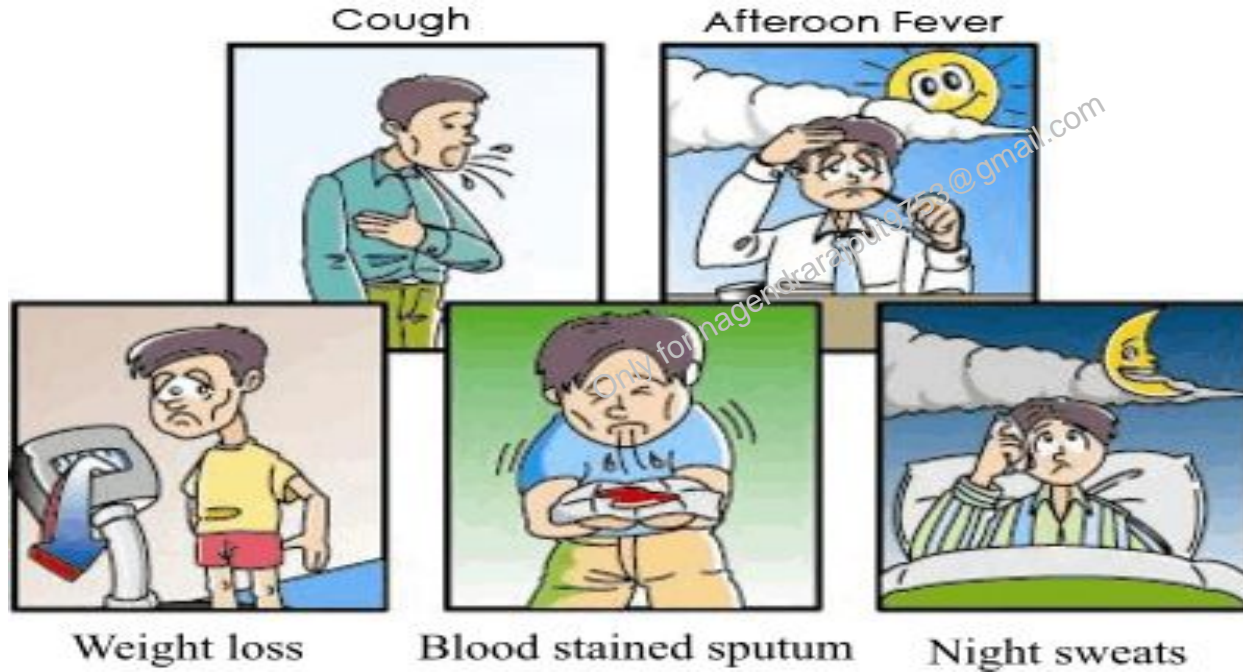
Only for nagendraprathap9753@gmail.com

Bacterial diseases

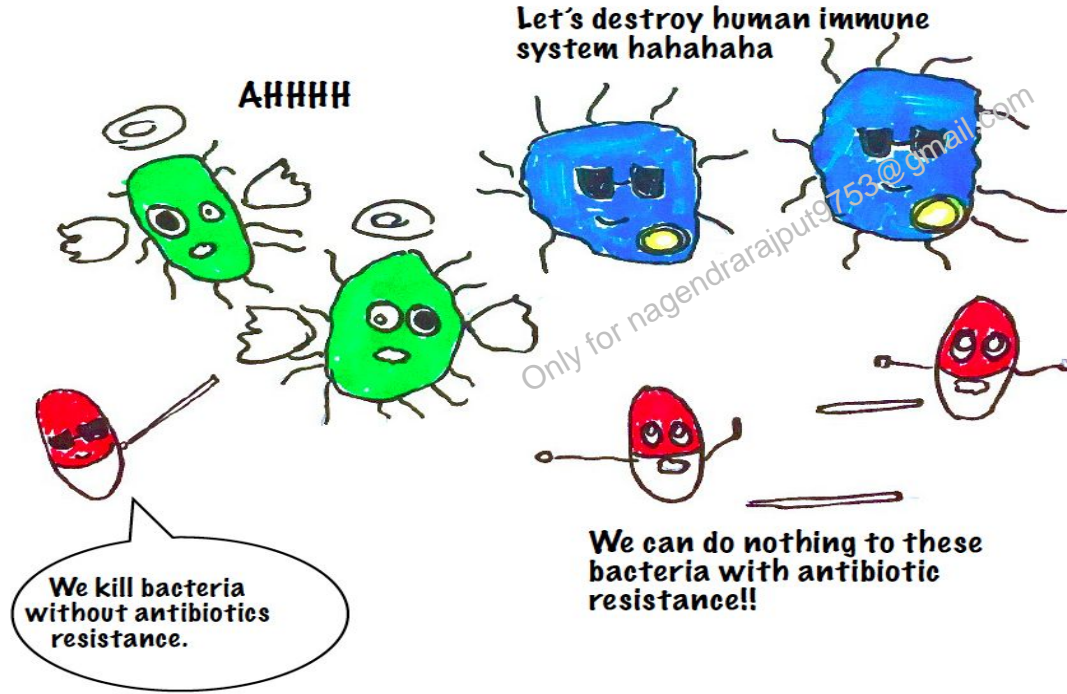
- Tuberculosis
- Leprosy
- Typhoid
- Tetanus
- Cholera
- Anthrax

Only for nagendrarajput9753@gmail.com

Pulmonary Tuberculosis



Antibiotic resistance



Which of the followings are the reasons for the occurrence of multi-drug resistance in microbial pathogens in India?

1. Genetic predisposition of some people.
2. Taking incorrect doses of antibiotics to cure diseases.
3. Using antibiotics in livestock farming.
4. Multiple chronic diseases in some people.

Select the correct answer using the code given:

- (a) 1 and 2
- (b) 2 and 3 only
- (c) 1,3 and 4
- (d) 2,3 and 4

Fungal diseases

- Candidiasis
- Ringworm
- Athlete's foot

Only for nagendrarajput9753@gmail.com

Helminthic diseases

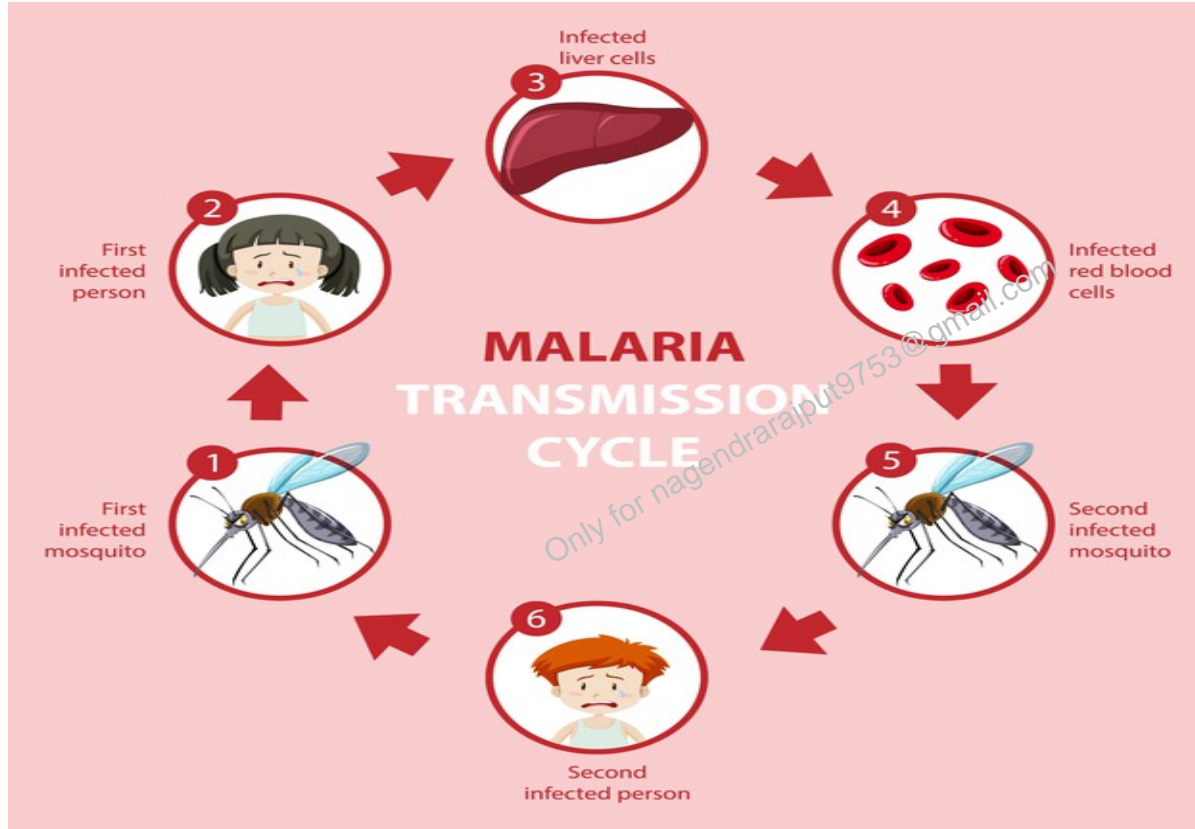
- Ascariasis
- Taeniasis
- Lymphatic filariasis
- Hookworm infection

Only for nagendrarajput9753@gmail.com

Protozoan Disease

- Amoebiasis
- Giardiasis
- Malaria

Only for nagendrarajput9753@gmail.com



Viral diseases

- Hepatitis
- Chicken pox
- Polio
- Dengue
- Zika
- Chikungunya
- AIDS

Only for nagendrarajput9753@gmail.com

Which of the following statements is / are correct?

1. Viruses lack enzymes necessary for the generation of energy.
2. Viruses can be cultured in any synthetic medium.
3. Viruses are transmitted from one organism to another by biological vectors only.

Select the correct answer using the codes given below.

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3