



**TNPSC-GROUP – VIII-2013**

1. **According** to Five Kingdom classification of plants by Whittaker, the kingdom protista include all
- A) prokaryotic organisms
  - B) eukaryotic unicellular organisms
  - C) multicellular eukaryotic organisms
  - D) multicellular filamentous fungi
- Ans: B
2. **Hydroponics** is otherwise called as
- 1. Soil-less agriculture
  - 2. Tank farming
  - 3. Chemical gardening
  - 4. All the above
- Choose the correct code
- A) 1 and 2 only
  - B) 1 only
  - C) 2 and 3 only
  - D) 4 only
- Ans: D
3. **In** the Cerebrum, the two hemispheres are connected at the base by
- A) corpus callosum
  - B) cranial nerves
  - C) corpora quadrigemina
  - D) the pons
- Ans: A
4. **In** anaerobic respiration, the respiratory quotient of glucose is infinity. Give the reason
- A) CO<sub>2</sub> is evolved but O<sub>2</sub> is not consumed
  - B) CO<sub>2</sub> is consumed also O<sub>2</sub> is consumed
  - C) CO<sub>2</sub> and O<sub>2</sub> is evolved
  - D) CO<sub>2</sub> only consumed
- Ans: A











Ans: A

TNPSC-GROUP – II-A-2014

1. **Match** list I with List II correctly and select your answer using the codes given below.

List I

- a) Human being
- b) Livestock
- c) Rodents
- d) Dogs and Cat

List II

- 1. Cholera
- 2. Ring worm
- 3. Plague
- 4. Anthrax

- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 2 | 3 | 4 |
| B) | 3 | 4 | 2 | 1 |
| C) | 1 | 4 | 3 | 2 |
| D) | 2 | 3 | 1 | 4 |

Ans: C

2. **Energy** flow in an eco system is

- A) Unidirectional
- B) Multidirectional
- C) Bidirectional
- D) No direction

Ans: A

3. Which of the following is correct?

- I. When blood glucose level decreases, the hormone glycagon signals the liver to produce and release more glucose and to stop consuming it for its own needs.





C) III

D) IV

Ans: D

6. Match list I with List II correctly and select your answer using the codes given below:

- |                    |                               |
|--------------------|-------------------------------|
| a) Polydactyly     | 1. Y linked trait             |
| b) Color blindness | 2. Autosomal recessive trait  |
| c) PKU             | 3. Sex linked recessive trait |
| d) Hairy Pinna     | 4. Autosomal dominant trait   |

- |    |   |   |   |   |
|----|---|---|---|---|
|    | a | b | c | d |
| A) | 4 | 3 | 2 | 1 |
| B) | 1 | 2 | 3 | 4 |
| C) | 2 | 3 | 4 | 1 |
| D) | 3 | 1 | 2 | 4 |

Ans: A

TNPSC-GROUP – II-2015

1. Arrange the following in increasing order of their pH values:

I. Human Blood

II. Stomach acid

III. Pure water

III. Milk

A) II, III, IV and I

B) II, I, III and IV

C) II, IV, III and I

D) I, III, IV and II

Ans: C

2. **Which** one of the following bacterium has extensive usage in Genetic Engineering work in plants?

A) Clostridium septicum

B) Xanthomonas citri

C) Bacillus coagulens

D) Agrobacterium

tumefaciens

Ans: D

3. Match the following:



- 
- a. Riboflavin  
b. Thiamine  
c. Pyridoxine  
d. Cyanocobalamine
1. Vitamin B<sub>6</sub>  
2. Vitamin B<sub>2</sub>  
3. Vitamin B<sub>12</sub>  
4. Vitamin B<sub>1</sub>
- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 2 | 4 | 1 | 3 |
| B) | 2 | 3 | 4 | 1 |
| C) | 2 | 4 | 1 | 3 |
| D) | 1 | 3 | 4 | 2 |
- Ans: C
4. Which of the following is common to both Aerobic and Anaerobic respiration?
- A) Glycolysis  
B) Krebs's cycle  
C) Alcoholic fermentation  
D) Lactic acid fermentation
- Ans: A
5. Name of the hormone secreted by the pineal body.
- A) Melatonin  
B) Thymosin  
C) Relaxine  
D) Thyrotropin
- Ans: A
5. Match list I with List II correctly and select your answer using the codes given below:
- | List I                          | List II              |
|---------------------------------|----------------------|
| a) First Generation Pesticides  | 1. Pheromones        |
| b) Second Generation Pesticides | 2. Juvenile Hormones |
| c) Third Generation Pesticides  | 3. Pyrethrins        |
| d) Fourth Generation Pesticides | 4. Organo phosphates |





- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 4 | 2 | 3 |
| B) | 2 | 3 | 4 | 1 |
| C) | 3 | 4 | 1 | 2 |
| D) | 4 | 2 | 3 | 1 |

Ans: C

6. Match the following:

- |                  |                       |
|------------------|-----------------------|
| a) Castor oil    | 1. Sesamum indicum    |
| b) Gingley* oil  | 2. Azadirachta indica |
| c) Neem oil      | 3. Arachis hypogen    |
| d) Groundnut oil | 4. Ricinus communis   |

- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 3 | 4 | 2 |
| B) | 3 | 2 | 1 | 4 |
| C) | 4 | 1 | 2 | 3 |
| D) | 2 | 4 | 3 | 1 |

Ans: C

8. Which one of the following is an example for X-linked chromosome inheritance?

- |                     |              |
|---------------------|--------------|
| A) Colour Blindness | B) Albinism  |
| C) Alkaptonuria     | D) Mangolism |

Ans: A

9. What is the other name for Leprosy?

- |                     |            |
|---------------------|------------|
| A) Botulism         | B) Tetanus |
| C) Hansen's disease | D) Rabies  |

Ans: C

TNPSC-GROUP – IIA -2016

1. Which one of the following cells formed during gametogenesis is diploid?



- A) Primary polar body      B) Spermatid  
C) Spermatogonia      D) Secondary polar body

Ans: C

2. Match correctly the following Columns 1,2 and 3:

Column I

Column II

Column III

- |               |                             |   |
|---------------|-----------------------------|---|
| 1. Typhoid    | a) Haemophilus<br>Influenza | i) Chronic inflame<br>-mation of the<br>lymphatic |
| 2. Pneumonia  | b) Trichophyton             | ii) Dry scaly<br>lesions on the<br>skin           |
| 3. Filariasis | c) Salmonella<br>Typhi      | iii) Alveoli filled<br>with fluid                 |
| 4. Ringworm   | d) Wuchereri                | iv) Intestinal<br>perforations                    |

- |   |
|---|
| A) 1-c-iv;    2-a-ii;    3-b-i    4-d-iii |
| B) 1-c-iv    2-b-ii    3-a-iii    4-d-i   |
| C) 1-c-iv    2-a-iii    3-d-i    4-b-ii   |
| D) 1-c-iv    2-d-ii    3-a-i    4-b-iii   |

Ans: C

3. Match list I with List II correctly and select your answer using the codes given below:

List I

List II

- |                        |              |
|------------------------|--------------|
| a) Fatty substance     | 1. Pectins   |
| b) Manufacture of link | 2. Suberin   |
| c) Nitrogenous waste   | 3. Tannins   |
| d) Fruit jellies       | 4. Alkaloids |

a    b    c    d

- A) 1    3    4    2



- B) 3 4 2 1  
C) 2 3 4 1  
D) 2 4 1 3

Ans: C

4. In human, Prothrombin required for blood clotting is synthesized in the

- A) Spleen B) Stomach  
C) Liver D) Thymus

Ans: C

5. Match list I with List II correctly and select your answer using the codes given below:

List I

- a) Simmond's disease  
b) Diabetes mellitus  
c) Cushing's disease  
d) Myxoedema

List II

- i) Thyroid gland  
ii) Adrenal gland  
iii) Pituitary gland  
iv) Pancreas  
B) a-ii, b-iv, c-I, d-iii  
D) a-I, b-iv, c-iii, d-i

- A) a-iii, b-iv, c-i, d-ii  
C) a-iii, b-iv, c-ii, d-i

Ans: C

**TNPSC-ASSITANT ENGINEER -2014**

1. Birds and mammals attaining greater body size in cold region than in warm region is governed by

- A) Allen's rule B) Jordan's rule  
C) Gloger's rule D) Bergman's rule

Ans: A

2. Match the following:

- a) Pulmonary veins 1. Delivery of oxygen poor blood from heart to lungs



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- b) Pulmonary arteries      2. Delivery of blood to neck, head and brain  
c) Carotid arteries          3. Delivery of blood to kidney  
d) Renal arteries              4. Delivery of oxygenated blood from lungs to heart

- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 2 | 3 | 4 |
| B) | 2 | 3 | 4 | 1 |
| C) | 4 | 1 | 2 | 3 |
| D) | 2 | 4 | 1 | 3 |

Ans: C

3. Which of the following statements about plant cells are true?

- I. Plant cells contain centrioles.  
II. Plant cells have chloroplasts.  
III. Plant cells possess cell walls.  
IV. Plant cells have small vacuoles.

- |              |               |
|--------------|---------------|
| A) I and IV  | B) II and III |
| C) I and III | D) II and IV  |

Ans: B

4. Point out the wrong statement in the following.

Statements:

- I. Vitamin A is Fat soluble.  
II. Vitamin C is Water soluble.  
III. Glycogen is animal starch.  
IV. Vitamin E is also known as calciferol.

- |        |       |
|--------|-------|
| A) I   | B) II |
| C) III | D) IV |

Ans: D

5. Choose the correct equation of aerobic respiration:

- A)  $C_6H_{12}O_6 + 6O_2 \rightarrow 6CO + 6H_2O$

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- A) Mitochondria                      B) Chloroplast  
C) Lysosome                            D) Golgi

Ans: A

2. The respiratory quotient for carbohydrate is  
A) One                                      B) More than one  
C) Less than one                      D) Infinity

Ans: A

3. The number of ATP molecules produced during aerobic respiration  
A) 3    B) 36  
C) 38                                        D) 30

Ans: C

4. Amoebic dysentery is caused by  
A) E-coil                                    B) Taenia solium  
C) Entamoeba                            D) Blood worm

Ans: C

5. Over secretion of somatotropic hormone in the child causes  
A) Acromegaly                            B) Dwarfism  
C) Myxodema                             D) Grave's disease

Ans: A

6. Match list I with List II correctly and select your answer using the codes given below:

List I

List II

- |                          |              |
|--------------------------|--------------|
| a) Micro - nutrients     | 1. N, P, K   |
| b) Primary – nutrients   | 2. Ca, Mg, S |
| c) Secondary - nutrients | 3. CAN, NPK  |
| d) Fertilizers           | 4. Mn, B, Zn |

- |      |     |     |     |
|------|-----|-----|-----|
| (a)  | (b) | (c) | (d) |
| A) 1 | 2   | 4   | 3   |
| B) 4 | 1   | 2   | 3   |



C) 2 3 1 4

D) 1 4 2 3

Ans: B

7. Match list I with List II correctly and select your answer using the codes given below:

List I

List II

- |              |                    |
|--------------|--------------------|
| a) Vitamin A | 1. Thyroid         |
| b) Vitamin C | 2. Rickets         |
| c) Vitamin D | 3. Night Blindness |
| d) Iodine    | 4. Bleeding gums   |

- |    | (a) | (b) | (c) | (d) |
|----|-----|-----|-----|-----|
| A) | 3   | 4   | 2   | 1   |
| B) | 4   | 3   | 1   | 2   |
| C) | 2   | 4   | 3   | 1   |
| D) | 3   | 2   | 1   | 4   |

Ans: A

8. In humans a single ejaculation contains

- A) 100 to 200 million sperms
- B) 300 to 400 million sperms
- C) 200 to 300 million sperms
- D) 400 to 500 million sperms

Ans: B

TNPSC ASSIATANT MEDICAL OFFICER– 2015

1. Solar Energy trapping molecules are found in
- A) Cristae
  - B) Cisternae
  - C) Thylakoid
  - D) Stroma

Ans: C



- 
2. Photorespiration involves three cell organelles. What are they?
- A) Chloroplast, Mitochondria, Peroxisome
  - B) Lysosome, Chloroplast, Peroxisome
  - C) Golgi, Mitochondria, Chloroplast
  - D) Lysosome, Peroxisome, Mitochondria

Ans: A

3. Liver cirrhosis is caused by
- A) Smoking
  - B) Chewing tobacco
  - C) Chewing beetle leaves
  - D) Consuming alcohol

Ans: D

4. Goitre is due to lack of
- A) Iodine
  - B) Potassium
  - C) Calcium
  - D) Phosphorus

Ans: A

TNPSC ASSIATANT STATISTICAL INVESTIGATOR – 2015

1. Which of the following statements is true?
- I) In prtromyson seven pairs of aortic arches are present
  - II) In reptiles only four functional aortic arches are present
  - III) In amphioxus two pairs of aortic arches are present
  - IV) In birds nine aortic arches are present

- A. II
- B. I
- C. III
- D. IV

Ans: B

2. Histology deals with the structure of
- A) histones
  - B) cells
  - C) tissues
  - D) organelles





Ans: C

3. Which one of the following is not correct?
- A) IUCN red list of threatened species has 132 species of Plants, Animals from India
  - B) Plants are less threatened with 5 species as critically endangered
  - C) IUGN has listed 141 plant species as endangered
  - D) Critically endangered list includes amphibians also

Ans: B

4. The following hormone is described as life saving hormone
- A) Glucocorticoid
  - B) Mineralocorticoid
  - C) Calcitonin
  - D) Parathormone

Ans: B

5. Which is wrongly matched?
- A) Rh blood - Erythroblastosis foetals
  - B) Haemophillia - Sex linked inheritance
  - C) A, B, O blood - Multiple alleles
  - D) Color blindness - Malnutrition

Ans: D

6. Which of the following is correctly matched?
- I. Vitamin A - Calciferol
  - II. Vitamin D - Retinol
  - III. Vitamin E - Tocopherol
  - IV. Vitamin H - Pyridoxine

- A. I
- B. II
- C. III
- D. IV

Ans: C

7. Consider the following statements about dicots:
- I. The leaves show parallel venation



- II. The vascular bundles are open
- III. The flowers are trimerous
- IV. The seeds have two cotyledons

Which of the statements given above are correct?

- A. I and III
- B. II and III
- C. II and IV
- D. I and IV

Ans: C

8. The food in onion is stored in the form of

- A) Sugar
- B) Protein
- C) Cellulose
- D) Alkaloid

Ans: C

TNPSC GROUP - VII B

1. Which one of the following phenomenon means “the formation of fertile botanic seed without any fusion of male and female gametes”?

- A) Apomixis
- B) Apospory
- C) Diplospory
- D) Amphimixis

Ans: A

2. Consider the following statements and choose the correct answer from the options given below.

- I. Flowers of wild banana and cacti open at night and are pale in colour.
- II. Squirrels pollinate wild banana and cacti.
- III. Wild banana and cacti are pollinated by bats.

- A. II is correct answer for I
- B. II and III are correct and I is wrong.
- C. III and II are correct answer for I.
- D. I and III are correct and II is wrong.

