

# TNPSC – GROUP IV

## GENERAL STUDIES - 2016 (ENGLISH)

### PHYSICS

1. Name the Battery that shuts down on over heating and restarts when the temperature becomes cool  
 (A) Sodium ion  
**(B) Lithium ion**  
 (C) Carbon ion  
 (D) Potassium ion
  
2. Audible range of rabbit is  
 (A) 100 – 32,000 Hz  
 (B) 1,000 – 1,50,000 Hz  
**(C) 1,000 – 1,00,000 Hz**  
 (D) 900 – 2,00,000 Hz

### CHEMISTRY

3. What is the chemical name of DDT?  
**(A) Dichloro diphenyl trichloro ethane**  
 (B) Dichloro diphenyl tribromo ethane  
 (C) Diphenyl dichloro trichloro ethane  
 (D) Diphenyl dibromo trichloro ethane
  
4. Why vegetables and fruits turn brown on cutting?  
**(A) Due to the reaction between phenolic compound and oxygen in air**  
 (B) Due to the formation of inorganic compound  
 (C) Due to the formation of salts  
 (D) Due to the formation of bases
  
5. Among the following which one is not a biofertilizer?  
 (A) Anabaena                      (B) Nostoc  
**(C) Lindane**                        (D) Rhizobium

### ZOOLOGY

6. Match List I and List II:
 

List I	List II
(a) Glycolysis	1. O <sub>2</sub> is not utilised
(b) Kreb's cycle	2. ATP are produced
(c) Electron transport chain	3. Oxidation of pyruvic acid
(d) Fermentation	4. Occurs in Cytoplasm

  

(a)	(b)	(c)	(d)
(A) 3	4	2	1
<b>(B) 4</b>	<b>3</b>	<b>2</b>	<b>1</b>
(C) 1	3	4	2
(D) 2	4	1	3
  
7. What are Microsporum, Epidermophyton?  
 (A) Disease causing bacteria in man  
**(B) Disease causing fungi in man**  
 (C) Disease causing virus in man  
 (D) Disease causing protozoans in man
  
8. Consider the statements:  
 (a) Sterility is caused by the deficiency of Vitamin K.  
 (b) Night blindness is caused by the deficiency of Vitamin D.  
**(A) Both (a) and (b) are false**  
 (B) (a) is false and (b) is true  
 (C) (a) is true and (b) is false  
 (D) Both (a) and (b) are true
  
9. The valve which regulates the blood flow from right ventricle to the pulmonary artery  
**(A) Semi-lunar valve**  
 (B) Auriculo-ventricular valve  
 (C) Bi Cuspid valve  
 (D) Tri Cuspid valve

# TNPSC – GROUP 2A

## GENERAL STUDIES - 2016 (ENGLISH)

10. Which medicine is known as “THE QUEEN OF DRUGS”?  
(A) ATROPIN (B) POLYMIXIN  
(C) STREPTOMYCIN **(D) PENICILLIN**
11. Ovulation is stimulated by  
**(A) LH** (B) LTH  
(C) Renin (D) Adrenalin

### BOTANY

12. A special root-like structure in cuscuta and viscum is called  
(A) Rhizoids **(B) Haustoria**  
(C) Hyphae (D) Stolens
13. Which gymnospermic plant cures rheumatism?  
(A) Araucaria (B) Ephedra  
**(C) Gentum** (D) Pinus

