

## MPSC Exam Study Material

1. Land reforms promote triple revolution. Choose the correct option from the following :

- (1) Cultural, Political, Technological
- (2) Political, Social, Commercial
- (3) Economic, Political, Cultural
- (4) None of these

2. As per the 2011 census what was the rate of improvement in female literacy during 2001 to 2011 ?

- (1) 53.7 % to 65.5 %
- (2) 54.1% to 67.2 %
- (3) 52.3 % to 64.4 %
- (4) 55.3 % to 63.2 %

3. In plants, which enzyme is found in largest quantity ?

- (1) p galactosidase
- (2) RuBP carboxylase
- (3) Enterokinase
- (4) lleterokinase

4. The end product of aerobic respiration is :

- (1) CO<sub>2</sub>+CO
- (2) CO<sub>2</sub>+NO
- (3) CO<sub>2</sub>+O<sub>2</sub>
- (4) CO<sub>2</sub>+H<sub>2</sub>O

5. The long term objective of population policy 2000 is to achieve stable population. During which of the following years this objective is targetted to be achieved ?

- (1) 2015
- (2) 2025
- (3) 2035
- (4) 2045

6. Choose from the following options what the "Malthusian Population Trap" is related to :

- (1) Population growth and positive checks
- (2) Population growth and preventive checks
- (3) Population growth and development
- (4) Population growth and fertility

7. What are the advantages of Microwave oven having microwave frequency of 2.45 GHz ?

- (a) There are no flames
  - (b) Destruction of nutrients is less
  - (c) There is a physical change in foods
  - (d) Sterilization effected
- (1) (a),(b) and (d)
  - (2) (a),(b) and (c)
  - (3) (b),(c) and (d)
  - (4) (c) and (d)

8. Raman effect is due to :

- (1) Inelastic collision of photon with e-
- (2) Elastic collision of photon with e-
- (3) Inelastic collision of photon with molecule
- (4) Elastic collision of photon with molecule

9. If a heavy load is pulled along a smooth horizontal surface, then the force acting on the load may be :

- (a) The applied force in the horizontal direction.
- (b) The force of gravity acting on the load vertically downwards
- (c) The force of friction acting in the horizontal direction opposite the motion
- (d) Reaction force due to the horizontal surface.

Which of the above statements are true ?

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

10. The allotropes of carbon are .

- (a) Carbon halides
  - (b) Diamond
  - (c) Fullerenes
  - (d) Graphite
  - (e) Chaoite
- (1) All above
  - (2) (b),(c),(d)
  - (3) (a),(b),(c)
  - (4) (a),(b),(d)

11. Oxygen occurs in nature in - isotopic forms.

- (1) 2
- (2) 3
- (3) 4
- (4) 1

12. Choose correct statements from the following :

- (a) Sound waves travel faster in solids than in gases.
  - (b) Sound waves travel fastest through vacuum
  - (c) Sound waves are longitudinal waves
  - (d) Sound waves travel slower in gases than in liquids.
- (1) (a),(c) and (d) only
  - (2) (a) and (b) only
  - (3) (c) and (d) only
  - (4) (b) and (d) only

13. Which Botanist introduced the 'Binomial' nomenclature to the plants ?

- (1) Bessey
- (2) Bmlham and Hooker

- (3) Carolus Linnaeus
- (4) Theophrastus

14. Which animal tissue synthesizes, stores and metabolizes fat ?

- (1) Epithelial tissue
- (2) Adipose tissue
- (3) Connective tissue
- (4) Muscle tissue

15. Viruses are :

- (1) Unicellular Organisms
- (2) Cellular without cell wall
- (3) Multicellular Organisms
- (4) Non-cellular Organisms

16. Spot the odd one out ?

- (1) Humerus
- (2) Femur
- (3) Radius
- (4) Scapula

17. Which of the following are essential whorls of the flowers ?

- (1) Sepal and Tepal
- (2) Sepal and Petal
- (3) Androecium and Gynoecium
- (4) Calyx and Stamens

18. Urea is transported by :

- (1) Plasma + Blood
- (3) RBC + CO<sub>2</sub>
- (2) Blood + O<sub>2</sub>
- (4) WBC + Saliva

19. Which of the following statements are true ? The guidelines for "the use of chemical additives in food processing" by Food Protection Committee in publication 398 include :

- (a) Use of antioxidants to maintain nutritional value.
  - (b) Use of anti microbial agents and inert gases for food stability.
  - (c) Use of colouring and flavouring agents to enhance the attractiveness.
  - (d) Use of buffers in food processing.
- (1) All are true (2) (a),(b),(c) are true  
(3) (a) and (d) are true (4) All are false

20. Which of the following statements is true ?

- (a) Indigo - blue is a natural dye.
  - (b) Alizarin is a synthetic dye.
- (1) Both true  
(2) (a) true, (b) false  
(3) (a) false, (b) true

(4) Both false

21. Upon hydrolysis, sucrose yields equimolar mixture of :

- (1) Glucose and ribose
- (2) Fructose and ribose
- (3) Glucose and fructose
- (4) Lactose and maltose

22. What is not a mixture ?

- (1) Water
- (2) Air
- (3) Soil
- (4) Chalk

23. The fundamental requirements for nitrogen fixation are :

- (a) Nihogenase
  - (b) Ferredoxin
  - (c) ATP
  - (d) Aerobic conditions
- (1) All the above
  - (2) (a),(b),(c)
  - (3) (a),(b),(d)
  - (4) (a),(c),(d)

24. In DNA, thymine always pairs with --

- (1) Adenine
- (2) Cytosine
- (3) Guanine
- (4) Thymine

25. In protein synthesis, which RNA plays an important role ?

- (1) m RNA
- (2) t RNA
- (3) i RNA
- (4) r RNA

26. Under Article 22 of the Constitution of India, with the exception of certain provisions stated there in, what is the maximum period for detention of a person under preventive detention ?

- (1) 2 months
- (2) 3 months
- (3) 4 months
- (4) 6 months

27. Which of the following statutory provisions will you view as the most effective instrument of rural socio-economic distributive justice in the independent India ?

- (1) Forest Rights Act
- (2) Agricultural Tenancy Act
- (3) Agricultural Land Ceiling Act

(4) Debt Relief Act

28. Which of the following two statements is correct ?

(a) The soda commonly used in the kitchen for making tasty crispy pokodas is baking soda. The baking soda is a sodium carbonate.

(b) Washing soda is usually used as a cleaning agent for domestic purposes and in glass, soap, paper industries. The washing soda is sodium hydrogen carbonate.

(1) Only (a)

(2) only (b)

(3) Both (a) and (b)

(4) Neither (a) nor (b)

29. The Chairman and Members of the National Human Rights Commission are appointed on the recommendations of a committee consisting of :

(a) Speaker of the Lok Sabha

(b) Deputy Chairman of the Rajya Sabha

(c) Leader of the Opposition in the Lok Sabha

(d) Leader of the Opposition in the Rajya Sabha

(e) Prime Minister

(f) Union Home Minister

Select the correct answer from the codes given below :

(1) (a),(c),(4 and (f)

(2) (a),(c) and (e)

(3) (a),(c),(d) and (e)

(4) (a). (b),(c),(d),(e) and (f)

30. Consider the following two statements :

(a) Our stomach produces hydrochloric acid. It helps in digestion of food. During indigestion the stomach produces too much acid causing pain and irritation.

(b) Magnesium hydroxide (milk of magnesia) is often used in the above condition which is an analgesic

Which is a completely correct statement ?

(1) Only (a)

(2) Only (b)

(3) Both (a) and (b)

(4) Neither (a) nor (b)