



### **BIOLOGY**

### **NEET & AIIMS**

## **MOCK TEST 5**



1. Third kingdom included in three kingdom

classification was-

A. Monera

B. Protista

C. Fungi

D. Bacteria

Answer: B

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**2.** Who proposed the "four kingdom classification"?

A. Haeckel

B. Linnaeus

C. Copeland

D. Threophrastus

Answer: C

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3. Select the odd one w.r.t criteria considered

by R.H.Whittaker to classify organisms.

- A. Thallus organisation
- B. Phylogeny
- C. Locomotion
- D. Mode of nutrition

Answer: C



**4.** Which of the following kingdoms contain organisms with non cellulosic cell wall?

A. Monera

B. Fungi

C. Protista

D. More than one option is correct

Answer: D

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5. Choose the correct positioning of Paramecium and Amoeba according to Whittaker system of classification? A. Bacteria

B. Protista

C. Fungi

D. Monera

Answer: B

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**6.** Read the given statements: Statement A: Aristotle classified plants on the basis of habit and habitat. Statement B: Organisms with loose tissue body organisation where placed

in Mychota by Copeland.

A. Only statement A is correct

B. Only Statement B is correct

C. Both statements are incorrect

D. Both Statements are correct

Answer: C

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Given organisms belong to how many kingdoms according to Whittaker system?
Chlorella, Clostridium,

Euglena, Chlamydomonas, Cycas

A. One

B. Two

C. Four

D. Three

Answer: D





8. Which of the following kingdoms include organisms with chemosynthetic autotrophic mode of nutrition?

A. Plantae

B. Protista

C. Monera

D. Fungi

#### Answer: C



**9.** Select the correct option w.r.t criteria used by Linnaeus for classifying living organisms. (a)Contractile vacuole (b)Body organisation (c) Cell wall (d) Response to external stimuli (e) Locomotion (f) Cell type

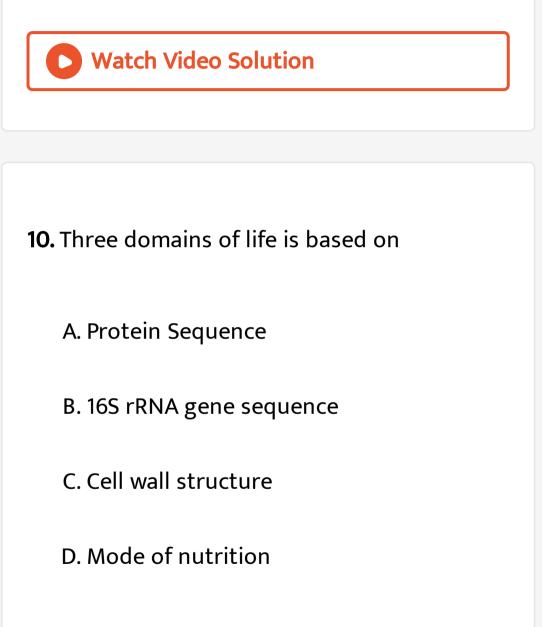
A. (a),(b),(c),(d),(e)&(f)

B. (a),(b),(c)&(e)

C. (b),(c),(e)&(f)

D. (a),(c),(d)&(e)





Answer: B



**11.** How many of the given features are associated with incipient nucleus of Monera: Naked DNA,RNA,Non-histonic proteins,Histonic proteins,Linear ss-DNA, Circular ds-DNA.

A. 3

B. 6

C. 4

D. 2





# **12.** On the basis of different shapes, bacteria are grouped under

- A. 2 Categories
- B. 3 Categories
- C. 5 Categories
- D. 4 Categories

#### Answer: D



# **13.** Which of the following is a facultative anaerobe?

A. Clostridium

B. Pseudomonas

C. Chlorobium

D. Bacillus subtilis

#### Answer: B



**14.** Which of the following bacteria uses H\_2S as e^(-) and H^+ donor for its nutrition.

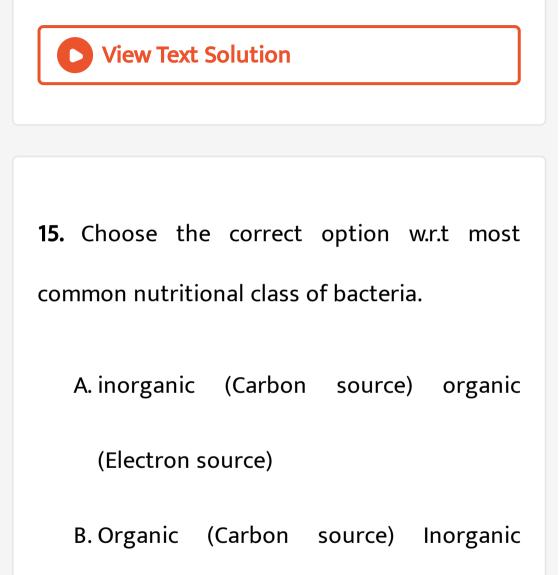
A. Chromatium

B. Thiospirillum

C. Chlorobium

D. Chloronema

#### Answer: C



(Electron source)

C. Organic (Carbon source) Organic

(Electron source)

D. Inorganic (Carbon source) Inorgnic

(Electron source)

Answer: C

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16. Respiratory enzymes are found associated

with plasma membrane in

### A. Clostridium

- B. Chlorella
- C. Chara
- D. Chlamydomonas

Answer: A



17. During binary fission of bacteria, the mode

of cell division is

A. Mitosis

**B.** Amitosis

C. Meiosis

D. Both (A) & (B)

Answer: B

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**18.** Parasexual reproduction in bacteria

involves

- A. Gametogenesis
- B. Syngamy
- C. Zygote formation
- D. Recombination

Answer: D

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19. Anti-coagulent nature of endospore is due

to the presence of

A. Teichoic acid

B. Ca-dipicolinic acid

C. Diaminopimelic acid

D. Calcium pectate

Answer: B

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**20.** Sometimes, DNA brought by the phase does not integrate with the genome of the recipient bacterium and is lost after one or

two generations such genetic recombination

is called

A. Generalised Transduction

B. Specific transduction

C. Abortive transduction

D. Conjugation

Answer: C

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**21.** Mark the incorrect option w.r.t chemosynthetic autotrophic bacteria

A. Hydrogenomonas and Beggiatoa

B. Nitrococcus and Thiobacillus

C. Nitrocystis and Leptothrix

D. Chromatium and Thiospirillum

Answer: D

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#### 22. Prokaryotic Cells

A. Have double envelope system

- B. Show complex structure
- C. Possess cellulosic cell wall
- D. Are morphologically simple

Answer: D



23. Select the correct one w.r.t Conjugation

A. F<sup>+</sup>+\*F<sup>(-)</sup> rarr F<sup>+</sup>+

B. Hfr\*F^(-) rarr F^+

C. Hfr\* F^(-) rarr F ^(-)

D. Both (A) and (C)

Answer: D

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24. Transduction was demonstrated by - in -

A. Zinder and Lederberg . Salmonella

#### B. Lederberg and Tatum .E.Coli

#### C. Griffith .Diplococcus pneumoniae

D. Avery, MacLeod and McCarty.

Streptococcus pneumoniae

#### Answer: A

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**25.** How many among the the following bacteria are involved in nitrogen fixation? Bacillus ramosus,Pseudomonas, Lactobacillus,

Beijerinckia, Frankia, Klebsiella, Clostridium,

Bacillus subtilis, Salmonella, Rhizobium

A. 4

B. 7

C. 6

D. 5

Answer: D



**26.** Which bacteria aids the production of antibiotic bacitracin?

A. Bacillus vulgaris

B. Bacillus ramosus

C. Bacillus subtilis

D. Bacillus licheniformis

Answer: D

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**27.** Match the following: (a) Retting of fibres (Column I) (i) Clostridium tetani (Column II) (b) Tetanus (Column I) (ii) Streptococcus lactis (Column II) (c) Curing of tobacco leaves(Column I) (ii) Pseudomonas putida (Column II) (d) Cheese and yogurt production (column I) (iv) Clostridium perfringens (Column II) (e) Petroleum pollution control (Column I) (v) Bacillus megatherium (Column II)

A. a(i),b(iv),c(v),d(ii),e(iii)

B. a(iii),b(i),c(v),d(ii),e(iv)

C. a(iv),b(i),c(v),d(ii),e(iii)

D. a(ii),b(i),c(v),d(iv),e(iii)

Answer: C



**28.** Which of the following provides correct description of human dentition?

A. Diphyodont, The codont, Heterodont

B. Monophyodont, Pleurodont, Heterodont

C. Diphyodont, Pleurodont, Heterodont

D. Monophyodont, The codont, Homodont

Answer: A



**29.** Tongue is attached to the floor of the buccal cavity by

A. Uvula

B. Frenulum

C. Epiglottis

D. Glottis

#### Answer: B



**30.** A.portion of stomach opens into the duodenum via B.select the option which correctly describes A and B respectively

A. A) Fundus, B) cardiac sphinter

B. A) Cardiac, B) Pyloric sphincter

### C. A)Pyloric,B) Gastroesophageal sphincter

D. A)Pyloric B)Pyloric sphincter

Answer: D

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# **31.** Which of the following is the longest portion of small intestine?

A. Duodenum

B. Ileum

C. Caecum

D. Jejunum

Answer: B

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#### 32. Wall of colon has sac like structures known

as

A. Haustra

B. Taenia coli

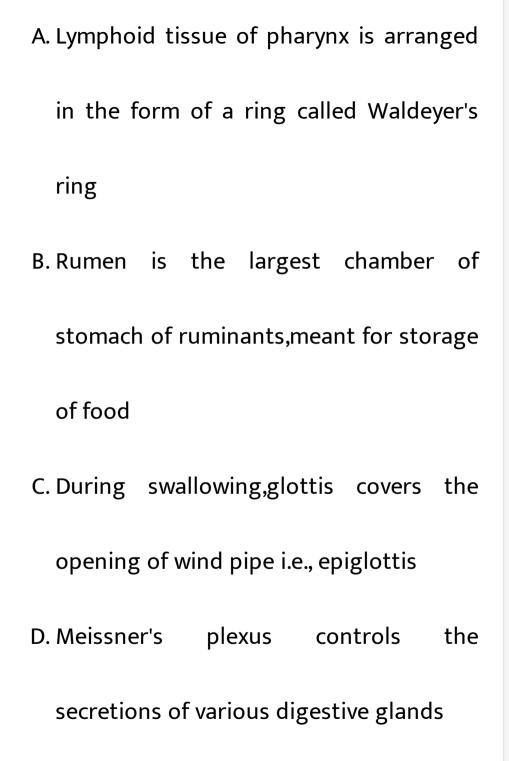
C. Epiploic appendages

D. Appendix

Answer: A

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**33.** Which of the following is an incorrect statement?







# **34.** Layer of oblique muscles is present in stomach

A. Between serosa and muscularis

B. Between circular and longitudinal

muscle layer

C. Between submucosa and mucosa

## D. Between submucosa and circular muscle

layer

#### Answer: D



# 35. Pepsinogen is secreted by which cells of

stomach?

A. Chief cells

B. Oxyntic cells

C. Pariental cells

D. Mucous cells

#### Answer: A



36. The salivary glands that are located at the

angle of the lower jaw are

A. Parotid gland

B. Sublingual glands

C. Submandibular gland

D. both (1) & (2)

#### Answer: C



# **37.** Bile is secreted by which part of liver?

A. Sinusoids

B. Hepatocytes

C. Kupffer cells

D. Glisson's capsule

Answer: B

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**38.** Which of the following is not present in the bile?

A. Enzymes

B. Hepatocytes

C. Bile salts

D. Bilirubin

Answer: A

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# **39.** Salivary amylase act at a pH of

A. 6.8

**B.** 8

#### $\mathsf{C}.\,1.2$

#### $\mathsf{D.}\,7.4$





# **40.** Intrinsic factor, essential for absorption of vitamin B\_12 is secreted by

A. Chief cells

B. Peptic cell

C. Oxytocin cells

D. Mucous cells





# **41.** Which organ stores and concentrated the bile?

A. Liver

B. Gall bladder

C. Pancreas

D. Intestine





**42.** A common duct that opens into duodenum and is guarded by spincter of Oddi is formed by joining of

- A. Cystic duct+pancreatic duct
- B. Main pancreatic duct+common bile duct
- C. Cystic duct+common bile duct
- D. Common bile duct+ duct of santorini

#### Answer: B



**43.** The functional duct of pancreas that joins the bile duct to form the common hepatopancreatic duct is

A. Duct of Wirsung

B. Duct of Santorini

C. Wharton's duct

D. Duct of Rivinus

#### Answer: A



**44.** The amount of starch that is normally hydrolysed in the oral cavity is\_\_\_\_ of total intake.Select the option which fills the blank in above statement correctly.

A. 10 percent

B. 20 percent

C. 50 percent

D. 30 percent

Answer: D

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**45.** In which of the following organs,crypts of Lieberkuhn are found

A. Stomach

**B.** Pancreas

C. Small intestine

D. Large intestine

#### Answer: C

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## 46. The partially digested food that comes out

of stomach is called

A. Chyle

B. Chyme

C. Bolus

D. Emulsified fat

Answer: B

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**47.** In which part of alimentary canal, digestion

of carbohydrates starts?

A. Oral cavity

B. Stomach

C. Small intestine

D. Large intestine

Answer: A

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### 48. Cystic duct drains out the secretions from

A. Gall bladder

B. Liver

C. Pancreas

D. Intestine





# **49.** Exocrine portion of the pancreas secretes

A. Insulin

- B. Pancreatic juice
- C. Glucagon
- D. Succus entericus

Answer: B

