



BIOLOGY

NEET & AIIMS

MOCK TEST 5

Example

1. Third kingdom included in three kingdom classification was-

A. Monera

B. Protista

C. Fungi

D. Bacteria

Answer: B



Watch Video Solution

2. Who proposed the "four kingdom classification"?

A. Haeckel

B. Linnaeus

C. Copeland

D. Threophrastus

Answer: C



Watch Video Solution

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



Watch Video Solution

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



Watch Video Solution

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



Watch Video Solution

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



Watch Video Solution

7. 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



Watch Video Solution

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: D



Watch Video Solution

10. Three domains of life is based on

- A. Protein Sequence
- B. 16S rRNA gene sequence
- C. Cell wall structure
- D. Mode of nutrition

Answer: B



Watch Video Solution

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

Answer: C



Watch Video Solution

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



Watch Video Solution

13. Which of the following is a facultative anaerobe?

A. Clostridium

B. Pseudomonas

C. Chlorobium

D. Bacillus subtilis

Answer: B



Watch Video Solution

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



View Text Solution

15. Choose the correct option w.r.t most common nutritional class of bacteria.

A. inorganic (Carbon source) organic

(Electron source)

B. Organic (Carbon source) Inorganic

(Electron source)

C. Organic (Carbon source) Organic

(Electron source)

D. Inorganic (Carbon source) Inorganic

(Electron source)

Answer: C



Watch Video Solution

16. Respiratory enzymes are found associated with plasma membrane in

A. Clostridium

B. Chlorella

C. Chara

D. Chlamydomonas

Answer: A



View Text Solution

17. During binary fission of bacteria, the mode of cell division is

A. Mitosis

B. Amitosis

C. Meiosis

D. Both (A) & (B)

Answer: B



Watch Video Solution

18. Parasexual reproduction in bacteria involves

A. Gametogenesis

B. Syngamy

C. Zygote formation

D. Recombination

Answer: D



Watch Video Solution

19. Anti-coagulant nature of endospore is due to the presence of

- A. Teichoic acid
- B. Ca-dipicolinic acid
- C. Diaminopimelic acid
- D. Calcium pectate

Answer: B



View Text Solution

20. Sometimes, DNA brought by the phage 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



View Text Solution

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



View Text Solution

22. Prokaryotic Cells

- A. Have double envelope system
- B. Show complex structure
- C. Possess cellulosic cell wall
- D. Are morphologically simple

Answer: D



View Text Solution

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

A. $F^+ * F^- \rightarrow F^+$

B. $Hfr * F^- \rightarrow F^+$

C. $Hfr * F^- \rightarrow F^-$

D. Both (A) and (C)

Answer: D



View Text Solution

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



View Text Solution

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



View Text Solution

26. Which bacteria aids the production of antibiotic bacitracin?

A. *Bacillus vulgaris*

B. *Bacillus ramosus*

C. *Bacillus subtilis*

D. *Bacillus licheniformis*

Answer: D



View Text Solution

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



Watch Video Solution

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

A. Diphyodont, Thecodont, Heterodont

B. Monophyodont, Pleurodont, Heterodont

C. Diphyodont, Pleurodont, Heterodont

D. Monophyodont, Thecodont, Homodont

Answer: A



View Text Solution

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

A. Uvula

B. Frenulum

C. Epiglottis

D. Glottis

Answer: B



Watch Video Solution

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 sphincter

B. A) Cardiac,B) Pyloric sphincter

C. A)Pyloric,B) Gastroesophageal sphincter

D. A)Pyloric B)Pyloric sphincter

Answer: D



View Text Solution

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

A. Duodenum

B. Ileum

C. Caecum

D. Jejunum

Answer: B



View Text Solution

32. Wall of colon has sac like structures known as

A. Haustra

B. Taenia coli

C. Epiploic appendages

D. Appendix

Answer: A



View Text Solution

33. Which of the following is an incorrect statement?

A. Lymphoid tissue of pharynx is arranged in the form of a ring called Waldeyer's ring

B. Rumen is the largest chamber of stomach of ruminants, meant for storage of food

C. During swallowing, glottis covers the opening of wind pipe i.e., epiglottis

D. Meissner's plexus controls the secretions of various digestive glands

Answer: C



View Text Solution

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



View Text Solution

35. Pepsinogen is secreted by which cells of stomach?

A. Chief cells

B. Oxyntic cells

C. Parietal cells

D. Mucous cells

Answer: A



View Text Solution

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



View Text Solution

37. Bile is secreted by which part of liver?

A. Sinusoids

B. Hepatocytes

C. Kupffer cells

D. Glisson's capsule

Answer: B



View Text Solution

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

A. Enzymes

B. Hepatocytes

C. Bile salts

D. Bilirubin

Answer: A



View Text Solution

39. Salivary amylase act at a pH of

A. 6.8

B. 8

C. 1.2

D. 7.4

Answer: A



View Text Solution

40. Intrinsic factor, essential for absorption of vitamin B₁₂ is secreted by

- A. Chief cells
- B. Peptic cell
- C. Oxytocin cells
- D. Mucous cells

Answer: C



View Text Solution

41. Which organ stores and concentrated the bile?

A. Liver

B. Gall bladder

C. Pancreas

D. Intestine

Answer: B



View Text Solution

42. A common duct that opens into duodenum and is guarded by sphincter 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



View Text Solution

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



View Text Solution

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



View Text Solution

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

A. Stomach

B. Pancreas

C. Small intestine

D. Large intestine

Answer: C



View Text Solution

46. The partially digested food that comes out of stomach is called

A. Chyle

B. Chyme

C. Bolus

D. Emulsified fat

Answer: B



View Text Solution

47. In which part of alimentary canal, digestion of carbohydrates starts?

A. Oral cavity

B. Stomach

C. Small intestine

D. Large intestine

Answer: A



View Text Solution

48. Cystic duct drains out the secretions from

A. Gall bladder

B. Liver

C. Pancreas

D. Intestine

Answer: A



View Text Solution

49. Exocrine portion of the pancreas secretes

A. Insulin

B. Pancreatic juice

C. Glucagon

D. Succus entericus

Answer: B



View Text Solution