



BIOLOGY

BOOKS - UNITED BOOK HOUSE

GSM QUESTION PAPER

Exercise

1. Who proposed the term 'Biology':

1.Lamarck

2.Aristotole

3.Theophrestus

4.Haeckel

A. Lamarck

B. Aristotole

C. Theophrestus

D. hekel

Answer:



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2. Unit of compound eye of cockroach:

1.Ocellus

2.Occulum

3.Ommatidium

4.Ostium

A. Qcellus

B. Qcculum

C. Omatidium

D. Ostium

Answer:



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3. Following is the lateral meristematic tissue

- A. Parenchyma
- B. Colenchyma
- C. Phloem
- D. Cambium

Answer:



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4. The main function of Golgi body is:

1. Respiration

2. Secretion

3. Excretion

4. Reproduction

A. Respiration

B. Secretion

C. Excretion

D. Reproduction.

Answer:



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5. Nonprotein part of enzyme is:

1.Cofactor

2.Apoenzyme

3.Active site

4.Catalytic agent

A. Cofactor

B. Apoenzyme

C. Active cite

D. Catalytic agent

Answer:



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6. Phellogen is:

1.Primary meristamatic tissue

2.Secondary phloem

3.Permanent tissue

4.Secondary meristem

A. Primary meristamatic tissue

B. Secondary phloem

C. Permanent tissue

D. Secondary meristem

Answer:



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7. Terminalization takes place during:

1. Zygotene

2. Pachytene

3.Diplotene

4.Diakinesis

A. Zygotene

B. Pachytene

C. Diplotene

D. Diakinesis

Answer:



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8. EXERCISE of ex situ conservation-

- A. National park
- B. Sanctuary
- C. Reserved forest
- D. Zoo.

Answer:



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9. Mushroom gland found in:

1. Male reproductive system of cockroach

2. Female reproductive system of cockroach

3. Male rabbit reproductive system

4. Female rabbit reproductive system

A. Male reproductive system of cockroach

B. Female reproductive system of
cockroach

C. Male rabbit reproductive system

D. Female rabbit reproductive system

Answer:



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10. DNA synthesis takes place in which phase of cell cycle?

1. G_1

2. S

3. G_2

4. M

A. G_1

B. S

C. G_2

D. M

Answer:



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11. Cell theory was proposed by:

1. Robert Hook

2. Schleiden and Schwann

3.Leeuwenhoek

4.Singer and Nicolson

A. Rober Hook

B. Schlediden and Schwam

C. Leenwenhoeck

D. Singer and Nicholson

Answer:



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12. Primary structure of protein contains:

1. Hydrogen bond

2. Peptide bond

3. Disulphide bond

4. Ionic bond

A. Hydrogen bond

B. Peptide bond

C. Disulphide bond

D. Ionic bond

Answer:



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13. Symport is:

1. Inactive transport

2. Active transport

3. Facilitated diffusion

4. Diffusion

A. Inactive absorption

B. Active absorption

C. Facilitated diffusion

D. Diffusion

Answer:



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14. Parts of binomial nomenclature:

1.Genus, order

2.Species & class

3.Genus, species

4.Order, species

A. Gems, order

B. Species & class

C. Gems, species

D. Order, species

Answer:



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15. What type of venation is found in the leaf of monocotyledonous plants?



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16. What is bast fibre?



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17. What is plasmodesmata



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18. What is 1st class protein?



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19. A cell is placed in hypertonic solution - explain the fate of the cell.



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20. Aerenchyma - Explain the term.



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21. Taxonomy- Write a short note on.



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22. What is taxon?



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23. Allosterism- define it.



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24. Mention two non living components of xylem.



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25. Explain the term osmoregulation



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26. What is Law of Priority?



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27. Full name of ICBN & ICZN.



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28. What is GO stage?



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29. Mention two rules of binomial nomenclature?



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30. phylloclade & cladode - explain the terms.



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31. Mention the differences between algae & fungi.



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32. State two features of pteridophyta. Which group is considered as amphibian of plant

kingdom and why?



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33. In which phylum does cuttle-fish belong to?



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34. Mention two features of phylum.



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35. What in grand period of growth. What are the differences between growth and development.



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36. Mention one main feature of leptotene, pachytene, diakinesis of meiosis 1 prophase.



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37. With a neat labelled diagram write the structure of ribosome.



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38. What are the differences between racemose and cymose inflorescence.



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39. What are the functions of mushroom gland. Hepatic caeca, spermatheca



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40. Write characters of chordata. Why do hemichordata include in nonchordates?



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41. Explain allosteric concept of enzyme.



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42. Explain in brief blood circulatory system of cockroach.



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43. Male reproductive system of cockroach state its features and show diagram.



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44. Describe the ultramicroscopic structure of Mitochondria with labelled diagram.



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45. Write identifying characters of Nidaria.
Write differences between Protozoa and Metazoa.



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46. Write differences between plant and animal mitosis.



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47. Describe the Fluid Mosaic Model of cell membrane with diagram.



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48. Write importance of carbohydrate in human life.



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49. What are the differences between voluntary and involuntary muscle.



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50. What are purin and pirimidine bases?

What is nucleoside? What are telomere and satellite?



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51. State about the structure of DNA.



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52. Internal and external conditions which effect growth- explain.



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53. Distinguish mRNA, tRNA on the basis of structre and function.



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54. Classify enzymes and mention EXERCISEs of each type.



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55. What are microbodies structure of flagella.



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