

**Chapter No. 10**

**Short Question**

**Q1. Write the symptoms and treatment of Asthma.**

2017, BISE Rawalpindi 2014, BISE Lahore 2017, BISE Sahiwal 2016, BISE Sargodha 2016, BISE Bahawalpur 2014, BISE Bahawalpur

**Q2. Differentiate between stomata and lenticels.**

2021, BISE Sargodha 2021, BISE Lahore 2019, BISE D.G Khan 2021, BISE D.G Khan 2019, BISE Sargodha 2021, BISE Faisalabad

**Q3. What is Emphysema? Write its symptoms.**

2015, BISE Rawalpindi 2018, BISE Multan 2017, BISE Multan 2020, BISE Multan 2014, BISE Multan 2015, BISE Multan

**Q4. How sound is produced? / What are vocal cords? / What is Larynx? Give its role.**

2014, BISE Lahore 2017, BISE Gujranwala 2018, BISE Lahore 2018, BISE Faisalabad 2017, BISE Sargodha

**Q5. Differentiate between Inspiration and Expiration. / Describe the changes which take place during expiration or exhalation in the chest cavity?**

2014, BISE Lahore 2016, BISE Sahiwal 2016, BISE Sargodha 2014, BISE Multan 2014, BISE Gujranwala

**Q6. What is nasal cavity? Give its role. / Give the role of fine hairs and mucous in nasal cavity.**

2016, BISE Sahiwal 2016, BISE Multan 2019, BISE Lahore 2014, BISE Gujranwala 2016, BISE Lahore

**Q7. What is Asthma? Give its causes.**

2016, BISE Gujranwala 2016, BISE Sargodha 2015, BISE Sahiwal 2016, BISE Lahore 2015, BISE Lahore

**Q8. How does gaseous exchange occur through lenticels?**

2019, BISE Gujranwala 2014, BISE Gujranwala 2018, BISE Gujranwala 2014, BISE Bahawalpur

**Q9. What is meant it Bronchitis? Give its causes.**

2017, BISE Gujranwala 2018, BISE Bahawalpur 2016, BISE Bahawalpur 2018, BISE D.G Khan

**Q10. Differentiate between acute and chronic Bronchitis.**

2016, BISE Sargodha 2016, BISE Bahawalpur 2015, BISE D.G Khan 2015, BISE Multan

**Q11. Differentiate between glottis and epiglottis.**

2014, BISE Lahore 2018, BISE Bahawalpur 2019, BISE Faisalabad 2015, BISE D.G Khan

**Q12. Differentiate between breathing and respiration.**

2014, BISE Multan 2014, BISE Gujranwala 2014, BISE Faisalabad 2014, BISE Bahawalpur

**Q13. What is trachea? Give its role.**

2017, BISE Gujranwala 2016, BISE Multan 2015, BISE Sargodha 2015, BISE Multan

**Q14. Give symptoms of bronchitis.**

2017, BISE Gujranwala 2018, BISE Faisalabad 2017, BISE Sargodha 2017, BISE Bahawalpur

**Q15. Give any two bad effects of smoking.**

2014, BISE Lahore 2018, BISE Bahawalpur 2021, BISE Faisalabad

**Q16. Why our breathing rate increases during hard exercise?**

2015, BISE Rawalpindi 2015, BISE D.G Khan 2015, BISE Multan

**Q17. How does cuticle are involved in gaseous exchange plants? OR How does gaseous exchange take place in young stems and leaves?**

2018, BISE Lahore 2019, BISE D.G Khan 2015, BISE D.G Khan

**Q18. What is meant by passive smoking? How it is more dangerous?**

2020, BISE Lahore 2019, BISE Sargodha 2017, BISE Sargodha

**Q19. What is nicotine?**

2016, BISE Rawalpindi 2017, BISE Lahore 2015, BISE Multan

**Q20. What is the effect of smoking on circulatory system?**

2017, BISE Rawalpindi 2021, BISE Lahore 2019, BISE Faisalabad

**Q21. What are pleural membranes? Give their role. / Name the membranes surrounding lungs. What is their function?**

2014, BISE Gujranwala 2015, BISE Sargodha

**Q22. What is diaphragm? Give its role.**

2019, BISE D.G Khan 2017, BISE Multan

**Q23. What is meant by Pneumonia and double Pneumonia? Give its major cause. / What is pneumonia? / Write names of microorganisms causing pneumonia.**

2019, BISE Rawalpindi 2018, BISE Sargodha

**Q24. What are stomata? Write their function**

2018, BISE Lahore 2019, BISE Faisalabad

**Q25. What is Lung cancer? Give its causes.**

2016, BISE Gujranwala 2017, BISE Sahiwal

**Q26. What is Alveolus? Give its role.**

2014, BISE Multan 2015, BISE D.G Khan

**Q27. Differentiate in pharynx and larynx.**

2016, BISE Bahawalpur 2017, BISE Sargodha

**Q28. What are the effects of smoking on teeth?**

2019, BISE Lahore

**Q29. How cellular respiration and photosynthesis help to maintain O<sub>2</sub> and CO<sub>2</sub> concentrations during daytime?**

2014, BISE Gujranwala

**Q30. Where does intercoastal muscles are located?**

2020, BISE Lahore

**Q31. Why the blood become viscous due to smoking.**

2018, BISE Rawalpindi

**Q32. What is bronchus?**

2020, BISE Sahiwal

**Q33. What are alveolar ducts?**

2020, BISE Multan

**Long Question**

**Q1. Describe the mechanism of breathing.**

2015, BISE Gujranwala 2016, BISE Faisalabad 2016, BISE Bahawalpur 2015, BISE Sahiwal 2015, BISE D.G Khan

**Q2. Describe the sign and symptoms, causes and treatment of Pneumonia.**

2015, BISE Sargodha 2016, BISE Multan 2016, BISE D.G Khan 2016, BISE Lahore 2015, BISE Lahore

**Q3. What is Bronchitis? State it types, symptoms and causes.**

2015, BISE Multan 2016, BISE Sargodha 2015, BISE Faisalabad 2015, BISE Sahiwal 2015, BISE Rawalpindi

**Q4. Write down the bad effects of smoking.**

2015, BISE Sargodha 2019, BISE Rawalpindi 2015, BISE Faisalabad 2015, BISE Bahawalpur 2016, BISE Rawalpindi

**Q5. How gaseous exchange occurs in plants?**

2015, BISE Sargodha 2016, BISE Multan 2016, BISE Bahawalpur 2015, BISE Lahore

**Q6. Explain peritoneal dialysis and haemodialysis.**

2014, BISE D.G Khan 2015, BISE Lahore 2013, BISE Faisalabad

**Q7. Enlist the different parts of air passage way of human respiratory system. Give detail of each part**

2015, BISE Multan 2016, BISE D.G Khan 2015, BISE D.G Khan

**Q8. What do you know about Emphysema? Write its symptoms.**

2015, BISE Multan 2015, BISE Gujranwala 2016, BISE Gujranwala

**Q9. What is Lung cancer? Describe its cause, symptoms and prevention.**

2016, BISE Multan 2016, BISE Bahawalpur

**Q10. Write a note on the lungs.**

2016, BISE Lahore

**Chapter No. 11**

**Short Question**

**Q1. What is lithotripsy? / Write down the method of lithotripsy.**

2020, BISE Sahiwal 2019, BISE Rawalpindi 2017, BISE Rawalpindi 2014, BISE Lahore 2018, BISE Lahore 2018, BISE Multan 2017, BISE Multan 2018, BISE Sahiwal 2017, BISE D.G Khan 2016, BISE Lahore 2019, BISE Multan 2017, BISE Lahore 2018, BISE Rawalpindi

**Q2. Define osmoregulation.**

2014, BISE Lahore 2016, BISE Sahiwal 2016, BISE Multan 2016, BISE Gujranwala 2020, BISE Multan 2014, BISE Multan 2015, BISE Sahiwal 2017, BISE Lahore 2015, BISE Lahore

**Q3. What is guttation? How does it differ from dew?**

2020, BISE Sahiwal 2017, BISE Rawalpindi 2014, BISE Lahore 2017, BISE Sahiwal 2018, BISE Bahawalpur 2018, BISE Sahiwal 2015, BISE Sahiwal 2016, BISE Bahawalpur

**Q4. What is meant by kidney failure? Give its major causes**

2017, BISE Gujranwala 2016, BISE D.G Khan 2016, BISE Gujranwala 2015, BISE Rawalpindi 2015, BISE Faisalabad 2016, BISE Bahawalpur 2015, BISE D.G Khan 2017, BISE Lahore

**Q5. Define thermoregulation.**

2017, BISE Gujranwala 2018, BISE Lahore 2016, BISE Gujranwala 2015, BISE Faisalabad 2016, BISE Faisalabad 2018, BISE Multan 2014, BISE Multan

**Q6. What is renal corpuscle?**

2015, BISE Gujranwala 2015, BISE Rawalpindi 2017, BISE Sahiwal 2016, BISE Faisalabad 2018, BISE Sahiwal 2016, BISE Rawalpindi 2015, BISE D.G Khan

**Q7. What is kidney transplant?**

2017, BISE Gujranwala 2017, BISE Multan 2014, BISE Gujranwala 2017, BISE D.G Khan 2016, BISE Bahawalpur 2018, BISE D.G Khan

**Q8. What is homeostasis? Give an example**

2016, BISE Gujranwala 2018, BISE Bahawalpur 2014, BISE Bahawalpur 2017, BISE Sargodha 2016, BISE Rawalpindi 2018, BISE Rawalpindi

**Q9. Differentiate between transpiration and guttation.**

2020, BISE Sahiwal 2015, BISE Sahiwal 2016, BISE Bahawalpur 2019, BISE Multan 2018, BISE D.G Khan 2018, BISE Sargodha

**Q10. What do you mean by kidney stone? Write the cause of kidney stones.**

2017, BISE Rawalpindi 2018, BISE Faisalabad 2018, BISE Bahawalpur 2018, BISE D.G Khan 2017, BISE Bahawalpur

**Q11. Name two major parts of a nephron.**

2014, BISE Rawalpindi 2014, BISE Gujranwala 2014, BISE Bahawalpur 2017, BISE Lahore 2017, BISE Bahawalpur

**Q12. What are Xerophytes?**

2016, BISE Multan 2018, BISE Faisalabad 2014, BISE Gujranwala 2015, BISE Sargodha 2015, BISE Multan

**Q13. What are Hydrophytes? Give an example.**

2014, BISE Gujranwala 2016, BISE Lahore 2018, BISE Gujranwala 2016, BISE Rawalpindi 2017, BISE Lahore

**Q14. What is peritoneal dialysis?**

2014, BISE Rawalpindi 2019, BISE Rawalpindi 2019, BISE Lahore 2014, BISE Gujranwala

**Q15. Explain the mechanism of pressure filtration.**

2015, BISE Gujranwala 2017, BISE Faisalabad 2014, BISE Gujranwala 2017, BISE Bahawalpur

**Q16. What are the symptoms of kidney stones?**

2019, BISE Gujranwala 2017, BISE Sahiwal 2020, BISE Lahore 2018, BISE Multan

**Q17. What is glomerulus filtrate?**

2016, BISE D.G Khan 2017, BISE Sahiwal 2015, BISE Sahiwal 2018, BISE Gujranwala

**Q18. What is the tubular secretion?**

2017, BISE Rawalpindi 2021, BISE Lahore 2015, BISE Rawalpindi 2018, BISE Rawalpindi

**Q19. How plants excrete their metabolic wastes?**

2015, BISE Gujranwala 2021, BISE Lahore 2018, BISE Faisalabad 2020, BISE Multan

**Q20. Define dialysis. Name its two types.**

2017, BISE Multan 2018, BISE D.G Khan 2018, BISE Gujranwala 2017, BISE Sargodha

**Q21. Define renal tubule.**

2016, BISE Sahiwal 2015, BISE Rawalpindi 2018, BISE Sahiwal 2014, BISE Gujranwala

**Q22. Write names of different parts of human urinary system.**

2016, BISE Lahore 2015, BISE Sargodha 2015, BISE Lahore 2015, BISE Multan

**Q23. What is osmosis?**

2018, BISE Lahore 2016, BISE Lahore 2015, BISE Lahore

**Q24. What is a nephron?**

2014, BISE Rawalpindi 2016, BISE Multan 2014, BISE Gujranwala

**Q25. Define Excretion.**

2015, BISE Gujranwala 2014, BISE Multan 2015, BISE Sahiwal

**Q26. What osmotic adjustment are present in Hydrophytes for homeostasis of water and salts?**

2018, BISE Gujranwala 2015, BISE D.G Khan 2015, BISE Lahore

**Q27. What are Halophytes?**

2014, BISE Lahore 2016, BISE Gujranwala 2016, BISE Bahawalpur

**Q28. What is Renal pelvis?**

2018, BISE Lahore 2016, BISE Bahawalpur 2017, BISE Sargodha

**Q29. What is meant by succulent organs? Give an example.**

2017, BISE Gujranwala 2018, BISE Lahore 2020, BISE Multan

**Q30. What problems may occur after kidney transplant?**

2016, BISE D.G Khan 2019, BISE Faisalabad 2014, BISE Sargodha

**Q31. Our skin is consisted of how many layers?**

2014, BISE Lahore 2015, BISE D.G Khan 2015, BISE Sargodha

**Q32. Explain the process of selective reabsorption.**

2016, BISE D.G Khan 2015, BISE Bahawalpur 2017, BISE D.G Khan

**Q33. How kidneys work when there is shortage of water in body fluids?**

2016, BISE Sargodha 2014, BISE Gujranwala

**Q34. Why transpiration does not take place at night?**

2021, BISE D.G Khan 2016, BISE Bahawalpur

**Q35. Differentiate between renal corpuscle and renal tubule.**

2018, BISE Bahawalpur 2014, BISE Multan

**Q36. Write the symptoms of kidney failure.**

2019, BISE Gujranwala 2018, BISE Rawalpindi

**Q37. Write the shape and size of the kidney.**

2014, BISE Faisalabad 2014, BISE Bahawalpur

**Q38. How xerophytes control the amount of water in their bodies?**

2018, BISE Multan 2014, BISE Faisalabad

**Q39. Differentiate between renal cortex and renal medulla.**

2017, BISE Gujranwala 2017, BISE Bahawalpur

**Q40. Define metabolic waste.**

2019, BISE Faisalabad

**Q41. What is a dialyzer?**

2020, BISE Gujranwala

**Q42. What is Haemodialysis?**

2015, BISE Bahawalpur

**Q43. When kidneys form hypotonic and hypertonic urine?**

2019, BISE D.G Khan

**Q44. Describe structure of Glomerulus and Bowman's capsule.**

2020, BISE Rawalpindi

**Q45. What is the role of skin in controlling body temperature?**

2018, BISE Sargodha

**Q46. How lungs help in Homeostasis?**

2015, BISE Faisalabad

### Long Question

**Q1. Explain homeostasis in plants. OR How do plants remove their extra water and salts from their body.**

2015, BISE Sargodha 2017, BISE Lahore 2016, BISE Bahawalpur 2018, BISE Multan 2015, BISE Bahawalpur 2016, BISE Sahiwal 2017, BISE Faisalabad 2018, BISE Bahawalpur 2013, BISE Lahore 2018, BISE Lahore

**Q2. Into how many groups plants are divided on the basis of available amount of water and salts? Explain each group. OR Write the osmotic adjustment in xerophytes and hydrophytes**

2015, BISE Gujranwala 2017, BISE Lahore 2016, BISE D.G Khan 2015, BISE Bahawalpur 2016, BISE Sahiwal 2017, BISE Sargodha 2018, BISE Gujranwala 2018, BISE Faisalabad 2019, BISE Bahawalpur 2017, BISE Gujranwala

**Q3. Define osmoregulation. Describe the role of kidney in osmoregulation. OR Describe the osmoregulatory function of the kidney.**

2016, BISE Sargodha 2014, BISE Bahawalpur 2015, BISE Faisalabad 2017, BISE Lahore 2016, BISE Bahawalpur 2014, BISE Lahore 2018, BISE Bahawalpur 2018, BISE Lahore 2018, BISE Sargodha

**Q4. Write a note on kidney stone. OR Describe the symptoms, causes and treatment of kidney stone.**

2015, BISE Multan 2017, BISE Multan 2014, BISE Bahawalpur 2016, BISE Bahawalpur 2016, BISE D.G Khan 2017, BISE Rawalpindi 2015, BISE Bahawalpur 2016, BISE Rawalpindi

**Q5. Describe the function of kidneys. OR What steps are involved in the formation of urine in the kidneys? Explain.**

2016, BISE Sargodha 2015, BISE Faisalabad 2017, BISE Lahore 2016, BISE Bahawalpur 2016, BISE Lahore 2018, BISE Multan 2018, BISE Faisalabad

**Q6. Write a note on nephron. Draw the diagram to show the structure of nephron. OR Describe the structure of functional unit of kidney**

2015, BISE Gujranwala 2017, BISE Lahore 2016, BISE D.G Khan 2014, BISE Sahiwal

**Q7. Which organs are involved in homeostasis in human?**

**Describe in details the work of two organs only. OR Describe the role of skin and lungs in Homeostasis**

2015, BISE Faisalabad 2016, BISE Bahawalpur 2014, BISE D.G Khan

**Q8. Describe the structure of kidney with help of diagram.**

2015, BISE Multan 2017, BISE Lahore 2016, BISE D.G Khan

**Q9. Explain osmoregulation and thermoregulation. OR Define homeostasis. Explain its types.**

2019, BISE Sahiwal

**Q10. Write down the causes and symptoms of kidney failure**

2014, BISE D.G Khan

## Chapter No. 12

### Short Question

**Q1. Define reflex action and reflex arc.**

2016, BISE Sahiwal 2016, BISE D.G Khan 2016, BISE Multan 2017, BISE Faisalabad 2017, BISE Sahiwal 2018, BISE Faisalabad 2017, BISE Multan 2017, BISE D.G Khan 2014, BISE Faisalabad 2018, BISE D.G Khan 2015, BISE D.G Khan 2020, BISE D.G Khan

**Q2. Define stimulus. Give any two examples.**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2014, BISE Lahore 2018, BISE Lahore 2014, BISE Sargodha 2014, BISE Multan 2014, BISE Gujranwala 2018, BISE Sargodha 2018, BISE Gujranwala 2018, BISE Rawalpindi 2015, BISE Multan

**Q3. Write down two important functions of spinal cord.**

2021, BISE Lahore 2017, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE Bahawalpur 2020, BISE Lahore 2014, BISE Gujranwala 2016, BISE Bahawalpur 2018, BISE D.G Khan 2017, BISE Bahawalpur 2015, BISE Lahore

**Q4. Define dendrites and axons.**

2021, BISE Multan 2021, BISE Sargodha 2017, BISE Rawalpindi 2015, BISE Faisalabad 2017, BISE Multan 2021, BISE Rawalpindi 2015, BISE Sahiwal 2017, BISE Sargodha

**Q5. What is difference between sensory neurons and interneurons?**

2014, BISE Lahore 2020, BISE Sargodha 2018, BISE Bahawalpur 2020, BISE Lahore 2021, BISE Gujranwala 2019, BISE D.G Khan 2014, BISE Multan

**Q6. What is somatic nervous system?**

2014, BISE Rawalpindi 2019, BISE Rawalpindi 2019, BISE Gujranwala 2014, BISE Gujranwala 2017, BISE D.G Khan 2017, BISE Sargodha 2015, BISE Lahore

**Q7. What are Meninges? Write two functions also. / How brain is protected?**

2019, BISE Lahore 2018, BISE Faisalabad 2019, BISE Faisalabad 2014, BISE Gujranwala 2017, BISE Bahawalpur 2015, BISE Lahore

**Q8. What are receptors? Give any two examples.**

2017, BISE Rawalpindi 2015, BISE Rawalpindi 2020, BISE Multan 2014, BISE Multan 2018, BISE Sahiwal 2015, BISE Sahiwal

**Q9. What are the main components of coordination?**

2021, BISE Multan 2017, BISE Faisalabad 2018, BISE Multan 2017, BISE Multan 2014, BISE Gujranwala 2014, BISE Bahawalpur

**Q10. Identify the two types of co-ordination in living organisms. / Define coordination. Also write its two types.**

2015, BISE Gujranwala 2020, BISE Gujranwala 2021, BISE Gujranwala 2017, BISE D.G Khan 2018, BISE D.G Khan 2015, BISE D.G Khan

**Q11. Define Nerve. Differentiate between sensory nerve and motor nerve.**

2018, BISE Bahawalpur 2021, BISE Gujranwala 2020, BISE Multan 2014, BISE Multan 2014, BISE Gujranwala 2018, BISE Rawalpindi

**Q12. What is Midbrain? Write its functions.**

2015, BISE Bahawalpur 2018, BISE Bahawalpur 2019, BISE Sargodha 2020, BISE Multan 2014, BISE Multan 2017, BISE Bahawalpur

**Q13. What is a response?**

2015, BISE Gujranwala 2015, BISE Rawalpindi 2014, BISE Multan 2014, BISE Gujranwala 2015, BISE Lahore

**Q14. What is feedback mechanism?**

2015, BISE Gujranwala 2015, BISE Faisalabad 2016, BISE Faisalabad 2014, BISE Bahawalpur 2015, BISE Multan

**Q15. What are effectors.**

2015, BISE Gujranwala 2015, BISE Faisalabad 2015, BISE Bahawalpur 2014, BISE Multan 2015, BISE Sahiwal

**Q16. What is Ganglion?**

2021, BISE Sargodha 2016, BISE Gujranwala 2018, BISE Faisalabad 2015, BISE Bahawalpur 2018, BISE Rawalpindi

**Q17. Define Thalamus.**

2014, BISE Rawalpindi 2019, BISE D.G Khan 2015, BISE Rawalpindi 2018, BISE Bahawalpur 2021, BISE Faisalabad

**Q18. Define endocrine system.**

2020, BISE Sargodha 2016, BISE Multan 2014, BISE Multan 2014, BISE Bahawalpur 2015, BISE Multan

**Q19. Write down the functions of lobes.**

2019, BISE Rawalpindi 2018, BISE Lahore 2017, BISE Sargodha 2015, BISE Sargodha

**Q20. Define coordinators. Give an example also.**

2014, BISE Lahore 2020, BISE Rawalpindi 2016, BISE Lahore 2017, BISE Lahore

**Q21. What is Paralysis? Write its symptoms.**

2020, BISE Rawalpindi 2020, BISE Lahore 2014, BISE Multan 2015, BISE Lahore

**Q22. Define Mixed nerves and Motor nerves.**

2021, BISE Sahiwal 2021, BISE D.G Khan 2014, BISE Gujranwala 2017, BISE Lahore

**Q23. Define Brainstem.**

2020, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE Sahiwal 2017, BISE D.G Khan

**Q24. Define Neuron.**

2017, BISE Gujranwala 2015, BISE Bahawalpur 2014, BISE Multan 2015, BISE Sahiwal

**Q25. Define Acromegaly.**

2021, BISE Lahore 2016, BISE Multan 2020, BISE D.G Khan

**Q26. What are saltatory impulses?**

2019, BISE D.G Khan 2016, BISE Lahore 2016, BISE Rawalpindi

**Q27. Describe hypothalamus. Enlist its functions.**

2014, BISE Rawalpindi 2015, BISE Faisalabad 2014, BISE Gujranwala

**Q28. What are vitreous humour and Aqueous humour?**

2014, BISE Lahore 2018, BISE Faisalabad 2014, BISE Faisalabad

**Q29. Write the names of layers of the eye.**

2014, BISE Rawalpindi 2015, BISE Rawalpindi 2014, BISE Gujranwala

**Q30. What is Epilepsy?**

2014, BISE Rawalpindi 2017, BISE Gujranwala 2018, BISE Sahiwal

**Q31. What is autonomic nervous system?**

2014, BISE Rawalpindi 2017, BISE Rawalpindi 2014, BISE Gujranwala

**Q32. Define Myelin sheath.**

2014, BISE Rawalpindi 2015, BISE Lahore 2018, BISE Rawalpindi

**Q33. What is the function of Glucagon and Insulin?**

2016, BISE Gujranwala 2021, BISE D.G Khan

**Q34. Define Optic disc or blind spot.**

2016, BISE Sargodha 2017, BISE Lahore

**Q35. Why Owl is not able to see during day time?**

2018, BISE Sargodha 2017, BISE Lahore

**Q36. What is Tetany?**

2017, BISE Sargodha 2021, BISE Faisalabad

**Q37. How ear maintain body balance?**

2020, BISE Gujranwala 2017, BISE Lahore

**Q38. What are the causes of hypothyroidism and hyperthyroidism? Write symptoms of each.**

2017, BISE Gujranwala 2014, BISE Bahawalpur

**Q39. Define nerve impulse?**

2019, BISE Faisalabad 2017, BISE Lahore

**Q40. Describe that the pupil reflex in dim and bright light.**

2014, BISE Faisalabad 2018, BISE Sargodha

**Q41. Define Retina.**

2019, BISE Lahore 2019, BISE Multan

**Q42. Define Cerebrospinal fluid (CSF).**

2018, BISE Bahawalpur

**Q43. What are Spinal nerves?**

2021, BISE Sahiwal

**Q44. Define Cerebral hemispheres.**

2019, BISE Gujranwala

**Q45. What is a Hormone? Give some examples also.**

2016, BISE Sargodha

**Q46. How would you associate the role of vitamin A with vision and effects on retina?**

2021, BISE D.G Khan

**Q47. What do you know about spinal cord?**

2017, BISE Gujranwala

**Q48. Why the eyes of cat and dog shine in the night? / What is tapetum?**

2017, BISE Faisalabad

**Q49. Differentiate between modes of nervous and chemical coordination.**

2016, BISE Rawalpindi

**Q50. What do you know about deafness?**

2020, BISE Rawalpindi

**Q51. Define Exocrine gland.**

2020, BISE Sahiwal

**Q52. What are Estrogen and Progesterone hormones?**

2014, BISE Sargodha

**Q53. Explain oval window.**

2018, BISE Lahore

**Q54. What is the cause of dwarfism?**

2018, BISE Multan

**Q55. Which medicines are used for the treatment of epilepsy?**

2019, BISE Lahore

**Long Question****Q1. What is neuron? Describe its structure.**

2015, BISE Sargodha 2016, BISE Multan 2016, BISE Faisalabad 2015, BISE Lahore 2017, BISE Rawalpindi 2018, BISE Gujranwala 2018, BISE Lahore 2019, BISE Lahore 2018, BISE Sargodha 2018, BISE D.G Khan

**Q2. Write a note on forebrain.**

2017, BISE D.G Khan 2015, BISE Sargodha 2017, BISE Sahiwal 2020, BISE Lahore 2014, BISE Bahawalpur 2017, BISE Lahore 2014, BISE Rawalpindi

**Q3. Explain reflex action and reflex arc with the help of a diagram.**

2015, BISE Sargodha 2017, BISE Sargodha 2015, BISE Rawalpindi 2014, BISE Gujranwala 2018, BISE Bahawalpur 2015, BISE D.G Khan

**Q4. Write a note on spinal cord.**

2015, BISE Faisalabad 2016, BISE D.G Khan 2016, BISE Sahiwal 2015, BISE Sahiwal 2019, BISE Multan

**Q5. Write the name of different components of coordination process and explain each component with examples.**

2019, BISE Lahore 2018, BISE Multan 2019, BISE Faisalabad 2015, BISE Rawalpindi

**Q6. Write a note on Pituitary gland. OR Describe the posterior lobe of Pituitary gland. OR Write a note on the posterior lobe of Pituitary gland.**

2013, BISE Sahiwal 2016, BISE Sargodha 2015, BISE Faisalabad 2017, BISE Rawalpindi

**Q7. Write a note on Pancreas**

2013, BISE Sahiwal 2017, BISE Lahore 2016, BISE Bahawalpur 2017, BISE Bahawalpur

**Q8. Describe the peripheral nervous system of human. OR Write a note on autonomic nervous system.**

2017, BISE Multan 2014, BISE Faisalabad 2018, BISE Multan

**Q9. Explain feedback mechanism.**

2015, BISE Multan 2016, BISE D.G Khan 2017, BISE Rawalpindi

**Q10. Describe the contribution of Ibne-al-Haytham and Ali Ibne Isa about structure of eye and treatment of various diseases related to eye.**

2017, BISE D.G Khan 2015, BISE Faisalabad 2016, BISE Bahawalpur

**Q11. What is neuron? Explain its types.**

2017, BISE Sahiwal 2019, BISE Rawalpindi 2019, BISE Lahore

**Q12. How does the process of hearing take place in ear? Explain it.**

2017, BISE D.G Khan 2015, BISE Gujranwala 2015, BISE Sahiwal

**Q13. Describe the structure of human eye.**

2015, BISE Multan 2014, BISE Bahawalpur 2018, BISE Multan

**Q14. Describe the structure of human ear.**

2015, BISE Multan 2015, BISE Lahore 2015, BISE Rawalpindi

**Q15. Explain the disorders of human eye.**

2017, BISE D.G Khan 2015, BISE Faisalabad

**Q16. Write a note on midbrain and hind brain.**

2017, BISE Sahiwal

**Q17. Explain thyroid gland.**

2017, BISE D.G Khan

**Q18. What is epilepsy? Write down the important symptoms, causes and treatment of epilepsy.**

2015, BISE Multan

**Q19. Write the lobes of forebrain.**

2017, BISE Lahore

**Chapter No. 13****Short Question****Q1. What are roles of tendons and ligaments?**

2021, BISE Multan 2019, BISE Rawalpindi 2016, BISE Sahiwal 2021, BISE Lahore 2017, BISE Gujranwala 2019, BISE Gujranwala 2019, BISE Lahore 2015, BISE Rawalpindi 2020, BISE Lahore 2017, BISE Multan 2020, BISE Multan 2014, BISE Multan 2015, BISE Sahiwal 2020, BISE Gujranwala 2018, BISE Gujranwala 2020, BISE D.G Khan

**Q2. Differentiate compact bone with spongy bone.**

2014, BISE Rawalpindi 2018, BISE Faisalabad 2015, BISE Bahawalpur 2020, BISE Lahore 2019, BISE Faisalabad 2017, BISE Multan 2014, BISE Multan 2015, BISE Sahiwal 2014, BISE Bahawalpur 2017, BISE Lahore 2020, BISE D.G Khan 2018, BISE Rawalpindi 2015, BISE Multan

**Q3. What are ball-and-socket joints?**

2021, BISE Multan 2014, BISE Lahore 2016, BISE Multan 2016, BISE Gujranwala 2019, BISE Gujranwala 2015, BISE Faisalabad 2017, BISE D.G Khan 2014, BISE Faisalabad 2016, BISE Rawalpindi 2021, BISE Faisalabad 2020, BISE D.G Khan 2015, BISE Lahore 2018, BISE Rawalpindi

**Q4. What do you mean by endoskeleton?**

2014, BISE Rawalpindi 2016, BISE Sahiwal 2017, BISE Gujranwala 2017, BISE Sahiwal 2021, BISE Sahiwal 2018, BISE Faisalabad 2020, BISE Gujranwala 2016, BISE Sargodha 2018, BISE Sahiwal 2015, BISE Sahiwal 2017, BISE D.G Khan 2018, BISE D.G Khan 2015, BISE Multan

**Q5. What is meant by "Flexor" muscle and Flexion?**

2016, BISE Multan 2015, BISE Bahawalpur 2018, BISE Bahawalpur 2019, BISE Sargodha 2020, BISE Multan 2016, BISE Sargodha 2016, BISE Bahawalpur 2017, BISE Sargodha 2015, BISE D.G Khan 2015, BISE Sargodha

**Q6. Define cartilage. Write names of its types.**

2015, BISE Gujranwala 2016, BISE Multan 2021, BISE Sahiwal 2018, BISE Sahiwal 2015, BISE Sahiwal 2014, BISE Faisalabad 2015, BISE D.G Khan 2017, BISE Lahore 2017, BISE Bahawalpur 2018, BISE Rawalpindi

**Q7. Define Osteoporosis. / Describe briefly about osteoporosis.**

2020, BISE Sargodha 2016, BISE Multan 2017, BISE Faisalabad 2016, BISE Faisalabad 2018, BISE Bahawalpur 2014, BISE Faisalabad 2018, BISE Gujranwala 2015, BISE D.G Khan 2015, BISE Multan

**Q8. What are the cells of cartilage and bone called?**

2016, BISE Sahiwal 2020, BISE Rawalpindi 2021, BISE D.G Khan 2017, BISE Multan 2019, BISE D.G Khan 2017, BISE D.G Khan 2020, BISE Gujranwala 2018, BISE Gujranwala 2018, BISE Rawalpindi

**Q9. Describe the role of skeletal system? / Write any two functions of skeletal system.**

2021, BISE Sargodha 2015, BISE Rawalpindi 2015, BISE Bahawalpur 2021, BISE Gujranwala 2019, BISE Sargodha 2020, BISE Multan 2014, BISE Faisalabad 2016, BISE Rawalpindi 2015, BISE Multan

**Q10. Define skeleton.**

2014, BISE Rawalpindi 2021, BISE Lahore 2016, BISE Multan 2015, BISE Faisalabad 2018, BISE Bahawalpur 2016, BISE Bahawalpur 2018, BISE Sargodha 2017, BISE Sargodha

**Q11. What is a joint?**

2015, BISE Bahawalpur 2017, BISE Multan 2014, BISE Multan 2014, BISE Gujranwala 2018, BISE Gujranwala 2017, BISE Sargodha 2015, BISE D.G Khan 2015, BISE Sargodha

**Q12. What is a Bone? Write its function.**

2015, BISE Gujranwala 2016, BISE D.G Khan 2016, BISE Gujranwala 2016, BISE Sargodha 2014, BISE Gujranwala 2016, BISE Lahore 2015, BISE Lahore

**Q13. What is meant by extensor muscle and extension?**

2015, BISE Rawalpindi 2016, BISE Faisalabad 2020, BISE Multan 2016, BISE Lahore 2016, BISE Bahawalpur 2015, BISE Sargodha

**Q14. Differentiate between origin and insertion of a skeletal muscle.**

2016, BISE D.G Khan 2016, BISE Multan 2015, BISE Rawalpindi 2015, BISE Faisalabad 2016, BISE Faisalabad 2014, BISE Gujranwala

**Q3. Differentiate between spermatogenesis and oogenesis.**

**Q15. What is Gout?**

2016, BISE Gujranwala 2017, BISE D.G Khan 2014, BISE Bahawalpur 2017, BISE Sargodha 2015, BISE Sargodha 2015, BISE Lahore

**Q16. What do you mean by movement?**

2019, BISE D.G Khan 2020, BISE Multan 2017, BISE Sargodha 2016, BISE Rawalpindi 2017, BISE Bahawalpur

**Q17. What do you know about osteoarthritis?**

2020, BISE Sahiwal 2017, BISE Faisalabad 2015, BISE Rawalpindi 2018, BISE D.G Khan 2015, BISE Lahore

**Q18. Write down causes of rheumatoid arthritis, also give its two symptoms.**

2014, BISE Lahore 2016, BISE Faisalabad 2016, BISE Sargodha 2017, BISE Lahore 2015, BISE Lahore

**Q19. What is meant by antagonism?**

2014, BISE Rawalpindi 2016, BISE D.G Khan 2015, BISE Faisalabad 2019, BISE Faisalabad 2018, BISE Rawalpindi

**Q20. What do you mean by “Exoskeleton”?**

2020, BISE Gujranwala 2020, BISE Lahore 2019, BISE Multan 2021, BISE Faisalabad

**Q21. What do you know about “Antagonists”?**

2016, BISE D.G Khan 2018, BISE Sahiwal 2016, BISE Rawalpindi 2018, BISE Rawalpindi

**Q22. Write the difference between Hyaline cartilage and Elastic cartilage.**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2014, BISE Multan

**Q23. What is Fibrous cartilage?**

2014, BISE Rawalpindi 2014, BISE Sargodha 2014, BISE Bahawalpur

**Q24. Briefly explain appendicular skeleton.**

2015, BISE Rawalpindi 2014, BISE Gujranwala 2014, BISE Bahawalpur

**Q25. What do you mean by locomotion?**

2019, BISE D.G Khan 2020, BISE Multan

**Q26. Describe Arthritis. Write the names of its types.**

2015, BISE Bahawalpur 2016, BISE Lahore

**Q27. Define Hinge joints and give one example.**

2020, BISE Lahore 2019, BISE Multan

**Q28. What is the function of vertebral column?**

2020, BISE Sahiwal

**Q29. Briefly explain the structure of upper and lower jaw in mammals and lower vertebrates.**

2017, BISE Lahore

**Q30. Where the chondrocyte lies?**

2021, BISE Gujranwala

**Q31. What do you know about immovable or fixed joints?**

2020, BISE Sargodha

**Long Question****Q1. What is Arthritis? Write down its symptoms and treatment. Also describe its types.**

2015, BISE Gujranwala 2017, BISE Gujranwala 2020, BISE Sargodha 2016, BISE D.G Khan 2016, BISE Multan 2016, BISE Gujranwala 2019, BISE Lahore 2015, BISE Faisalabad 2020, BISE Gujranwala 2019, BISE Faisalabad 2019, BISE Sargodha 2020, BISE Multan 2014, BISE Sargodha 2019, BISE D.G Khan 2014, BISE Multan 2018, BISE Sahiwal 2017, BISE D.G Khan 2016, BISE Lahore 2014, BISE Faisalabad 2018, BISE Gujranwala 2017, BISE Sargodha 2015, BISE D.G Khan 2017, BISE Bahawalpur

**Q2. What is meant by joints? Describe the main types of joints.**

2020, BISE Sahiwal 2014, BISE Lahore 2020, BISE Rawalpindi 2017, BISE Gujranwala 2020, BISE Sargodha 2016, BISE Multan 2017, BISE Sahiwal 2020, BISE Gujranwala 2021, BISE D.G Khan 2018, BISE Multan 2021, BISE Gujranwala 2016, BISE Sargodha 2014, BISE Multan 2018, BISE Sahiwal 2016, BISE Lahore 2016, BISE Bahawalpur 2018, BISE Sargodha 2018, BISE Gujranwala 2017, BISE Lahore 2020, BISE D.G Khan 2015, BISE Lahore 2015, BISE Multan

**Q3. What do you know about cartilage? Describe its types.**

2021, BISE Multan 2021, BISE Sargodha 2019, BISE Rawalpindi 2021, BISE Lahore 2017, BISE Faisalabad 2020, BISE Lahore 2015, BISE Faisalabad 2018, BISE Faisalabad 2020, BISE Gujranwala 2018, BISE Multan 2017, BISE Multan 2015, BISE Sahiwal 2019, BISE Multan 2018, BISE D.G Khan 2021, BISE Faisalabad 2020, BISE D.G Khan

**Q4. Write a detailed note on muscle and movement. OR What is meant by antagonism? Explain the phenomena of antagonism with example of elbow joint.**

2016, BISE D.G Khan 2021, BISE Sahiwal 2015, BISE Bahawalpur 2016, BISE Faisalabad 2017, BISE Multan 2015, BISE Sahiwal 2014, BISE Gujranwala 2015, BISE D.G Khan 2017, BISE Bahawalpur 2018, BISE Rawalpindi

**Q5. What do you mean by a bone? Describe its structure.**

2018, BISE Lahore 2019, BISE Gujranwala 2018, BISE Multan 2020, BISE Multan 2017, BISE D.G Khan 2014, BISE D.G Khan 2015, BISE Lahore

**Q6. Describe the role of tendon and ligaments.**

2020, BISE Sahiwal 2015, BISE Bahawalpur 2014, BISE Gujranwala 2015, BISE Sargodha

**Q7. What is skeleton system? Write the role of skeleton system.**

2018, BISE Bahawalpur 2017, BISE Lahore

**Q8. What is meant by Osteoporosis? Write down the causes and symptoms of Osteoporosis.**

2014, BISE Sargodha

**Chapter No. 14****Short Question****Q1. Differentiate between epigeal and hypogeal germination.**

2014, BISE Rawalpindi 2017, BISE Gujranwala 2020, BISE Sargodha 2018, BISE Lahore 2016, BISE Gujranwala 2017, BISE Sahiwal 2017, BISE Multan 2020, BISE Multan 2014, BISE Gujranwala 2018, BISE D.G Khan 2017, BISE Sargodha 2016, BISE Rawalpindi 2017, BISE Lahore 2017, BISE Bahawalpur 2015, BISE Multan

**Q2. Define parthenogenesis.**

2021, BISE Multan 2020, BISE Sahiwal 2021, BISE Lahore 2017, BISE Faisalabad 2021, BISE D.G Khan 2017, BISE Sahiwal 2015, BISE Faisalabad 2020, BISE Gujranwala 2015, BISE Bahawalpur 2014, BISE Multan 2019, BISE Multan 2018, BISE Sargodha

2019, BISE Rawalpindi 2017, BISE Gujranwala 2020, BISE Sargodha 2016, BISE Multan 2016, BISE Gujranwala 2017, BISE Faisalabad 2020, BISE Lahore 2015, BISE Rawalpindi 2020, BISE Gujranwala 2019, BISE Faisalabad 2017, BISE Sargodha 2017, BISE Lahore

**Q4. Define Double fertilization.**

2017, BISE Gujranwala 2016, BISE Multan 2016, BISE Gujranwala 2017, BISE Multan 2020, BISE Multan 2019, BISE D.G Khan 2018, BISE Sahiwal 2015, BISE Sahiwal 2019, BISE Multan 2015, BISE Multan

**Q5. What is Alternation of Generations in plants?**

2014, BISE Rawalpindi 2014, BISE Lahore 2020, BISE Lahore 2019, BISE Lahore 2019, BISE Faisalabad 2015, BISE Sahiwal 2018, BISE Sargodha 2018, BISE Gujranwala 2021, BISE Faisalabad 2018, BISE Rawalpindi

**Q6. Differentiate between tissue culture and cloning.**

2014, BISE Lahore 2018, BISE Faisalabad 2015, BISE Sahiwal 2017, BISE D.G Khan 2014, BISE Faisalabad 2015, BISE D.G Khan 2017, BISE Lahore 2017, BISE Bahawalpur 2015, BISE Lahore 2018, BISE Rawalpindi

**Q7. What is the difference between self-pollination and cross pollination?**

2017, BISE Rawalpindi 2016, BISE Sahiwal 2016, BISE Multan 2017, BISE Multan 2021, BISE Gujranwala 2019, BISE D.G Khan 2018, BISE Sahiwal 2016, BISE Lahore 2014, BISE Faisalabad 2016, BISE Rawalpindi

**Q8. Differentiate between sexual and asexual reproduction.**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2016, BISE Multan 2016, BISE Faisalabad 2021, BISE Gujranwala 2014, BISE Multan 2017, BISE Bahawalpur 2015, BISE Sargodha 2018, BISE Rawalpindi

**Q9. Define reproduction. Write name of its two types.**

2021, BISE Lahore 2019, BISE Lahore 2016, BISE Faisalabad 2018, BISE Multan 2019, BISE D.G Khan 2016, BISE Lahore 2018, BISE Sargodha 2015, BISE D.G Khan

**Q10. What is fragmentation? Give example.**

2021, BISE Lahore 2015, BISE Faisalabad 2017, BISE Multan 2018, BISE Sahiwal 2017, BISE D.G Khan 2018, BISE D.G Khan 2015, BISE D.G Khan 2018, BISE Rawalpindi

**Q11. Define Budding. Give an example.**

2020, BISE Sahiwal 2020, BISE Gujranwala 2019, BISE D.G Khan 2014, BISE Gujranwala 2016, BISE Bahawalpur 2019, BISE Multan 2014, BISE Bahawalpur

**Q12. What are the main disadvantages of vegetative propagation?**

2020, BISE Rawalpindi 2015, BISE Bahawalpur 2016, BISE Sargodha 2016, BISE Bahawalpur 2017, BISE Sargodha 2017, BISE Lahore 2020, BISE D.G Khan

**Q13. Define Hilum and Micropyle.**

2018, BISE Lahore 2019, BISE Lahore 2017, BISE Sahiwal 2016, BISE Sargodha 2016, BISE Bahawalpur 2017, BISE Sargodha

**Q14. Differentiate between spore and endospore.**

2014, BISE Rawalpindi 2020, BISE Rawalpindi 2020, BISE Sargodha 2020, BISE Bahawalpur 2019, BISE Gujranwala 2021, BISE Faisalabad

**Q15. What is an endosperm tissue?**

2015, BISE Gujranwala 2018, BISE Lahore 2017, BISE Faisalabad 2018, BISE Faisalabad 2018, BISE Multan 2018, BISE Rawalpindi

**Q16. What is AIDS? Give its causes.**

2019, BISE Rawalpindi 2021, BISE Lahore 2020, BISE Bahawalpur 2018, BISE Bahawalpur 2020, BISE Multan 2017, BISE D.G Khan

**Q17. Differentiate between internal fertilization and external fertilization.**

2020, BISE Sargodha 2016, BISE D.G Khan 2019, BISE Gujranwala 2018, BISE Bahawalpur 2020, BISE Multan 2017, BISE Sargodha

**Q18. Define Pollination. Give its types.**

2017, BISE Rawalpindi 2017, BISE Faisalabad 2017, BISE Sahiwal 2015, BISE Sahiwal 2016, BISE Rawalpindi 2018, BISE Rawalpindi

**Q19. What is dormancy of seed? When it breaks?**

2021, BISE Sargodha 2017, BISE Gujranwala 2018, BISE Multan 2016, BISE Lahore 2014, BISE Bahawalpur

**Q20. Describe two essential conditions for seed germination.**

2017, BISE Rawalpindi 2019, BISE Sargodha 2014, BISE Sargodha 2015, BISE Multan

**Q21. What is fertilization? What are its types?**

2021, BISE Sargodha 2017, BISE Rawalpindi 2015, BISE Rawalpindi 2015, BISE Lahore

**Q22. How plants reproduce vegetatively by “Bulbs”? Give two examples.**

2015, BISE Gujranwala 2016, BISE Bahawalpur 2020, BISE D.G Khan 2015, BISE Sargodha

**Q23. How multiple fission in Amoeba takes place? / Define multiple fission. Give an example.**

2014, BISE Gujranwala 2017, BISE D.G Khan 2018, BISE Sargodha 2018, BISE Gujranwala

**Q24. Define stem tubers. Give two examples.**

2018, BISE Faisalabad 2018, BISE Multan 2014, BISE Faisalabad

**Q25. Describe vegetative propagation.**

2017, BISE Gujranwala 2019, BISE Faisalabad 2018, BISE Sargodha

**Q26. Differentiate between sporophyte and gametophyte generation.**

2021, BISE Sahiwal 2018, BISE Faisalabad 2017, BISE Sargodha

**Q27. Describe the process of budding in Hydra and Corals.**

2018, BISE Bahawalpur 2019, BISE Sargodha 2017, BISE Lahore

**Q28. What are calluses?**

2017, BISE Gujranwala 2015, BISE Rawalpindi 2020, BISE D.G Khan

**Q29. What is Cuttings?**

2016, BISE Gujranwala 2014, BISE Gujranwala 2018, BISE Gujranwala

**Q30. What is seed coat?**

2014, BISE Sargodha 2018, BISE D.G Khan 2014, BISE Bahawalpur

**Q31. What is Cowper’s gland? Where sperms of male are deposited?**

2018, BISE Gujranwala 2017, BISE Sargodha

**Q32. Write Binary Fission in Planaria.**

2020, BISE Sahiwal 2018, BISE Lahore

**Q33. Give the difference between epicotyl and hypocotyl.**

2018, BISE Sahiwal 2018, BISE D.G Khan

**Q34. How Binary Fission takes place in unicellular eukaryotes?**

2019, BISE Gujranwala 2017, BISE Sahiwal

**Q35. Describe two advantages of reproduction.**

2019, BISE Lahore 2017, BISE Multan

**Q36. Define binary fission.**

2017, BISE Faisalabad 2015, BISE D.G Khan

**Q37. Explain parthenogenesis in honey bees.**

2020, BISE Lahore 2018, BISE D.G Khan

**Q38. What is placenta?**

2014, BISE Bahawalpur 2017, BISE Bahawalpur

**Q39. What are STDs?**

2017, BISE Multan 2018, BISE Sahiwal

**Q40. Write down the names of four methods of natural vegetative propagation.**

2017, BISE Rawalpindi 2016, BISE D.G Khan

**Q41. Write down the names of reproductive parts of flower.**

2020, BISE Sahiwal 2017, BISE Bahawalpur

**Q42. Define Grafting.**

2015, BISE Sargodha

**Q43. Write two characteristics of such flower which are pollinated by insects?**

2014, BISE Multan

**Q44. Define Germination.**

2017, BISE Bahawalpur

**Q45. Describe parthenocarp.**

2014, BISE Multan

**Q46. What is calyx?**

2020, BISE Bahawalpur

**Q47. What is gynoecium?**

2020, BISE Bahawalpur

**Q48. What is an embryo? Write its parts.**

2015, BISE Lahore

**Q49. Define Semen.**

2014, BISE Lahore

**Q50. What do you know about HIV?**

2018, BISE Gujranwala

**Q51. Name the parts of flower.**

2017, BISE D.G Khan

**Q52. Define pollen tube.**

2020, BISE Sargodha

**Q53. Write the name of two important parts of angiospermic seed.**

2018, BISE Lahore

**Q54. Define Overpopulation.**

2014, BISE Bahawalpur

### Long Question

**Q1. Write down the advantages and disadvantages of vegetative propagation.**

2017, BISE Gujranwala 2016, BISE D.G Khan 2018, BISE Lahore 2016, BISE Multan 2017, BISE Faisalabad 2016, BISE Faisalabad 2020, BISE Lahore 2017, BISE Multan 2016, BISE Sargodha 2016, BISE Lahore 2018, BISE D.G Khan 2018, BISE Gujranwala 2015, BISE D.G Khan 2017, BISE Bahawalpur 2015, BISE Multan

**Q2. What is meant by vegetative propagation? Describe different methods of natural vegetative propagation.**

2020, BISE Sahiwal 2019, BISE Rawalpindi 2016, BISE Multan 2018, BISE Bahawalpur 2020, BISE Lahore 2014, BISE Sargodha 2018, BISE Sahiwal 2017, BISE D.G Khan 2016, BISE Bahawalpur 2018, BISE Sargodha 2014, BISE Bahawalpur 2017, BISE Lahore 2015, BISE D.G Khan 2018, BISE Rawalpindi 2015, BISE Multan

**Q3. What is meant by binary fission? How does it take place in bacteria, amoeba and planaria.**

2021, BISE Sargodha 2016, BISE Sahiwal 2016, BISE D.G Khan 2016, BISE Multan 2020, BISE Gujranwala 2018, BISE Multan 2014, BISE Multan 2014, BISE Gujranwala 2016, BISE Lahore 2018, BISE D.G Khan 2015, BISE Sargodha 2015, BISE Multan

**Q4. What conditions are necessary for the seed germination?**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2017, BISE Rawalpindi 2020, BISE Bahawalpur 2019, BISE Lahore 2015, BISE Bahawalpur 2014, BISE Multan 2015, BISE Sahiwal 2014, BISE Gujranwala 2014, BISE Faisalabad 2016, BISE Rawalpindi

**Q5. What is meant by seed germination? Explain its types.**

2018, BISE Lahore 2017, BISE Faisalabad 2016, BISE Faisalabad 2018, BISE Sahiwal 2014, BISE Gujranwala 2016, BISE Lahore 2016, BISE Rawalpindi 2020, BISE D.G Khan 2015, BISE Sargodha 2015, BISE Lahore

**Q6. Describe male reproductive system of rabbit.**

2020, BISE Sahiwal 2016, BISE Sahiwal 2015, BISE Rawalpindi 2018, BISE Faisalabad 2019, BISE Sargodha 2015, BISE Sahiwal 2016, BISE Bahawalpur 2019, BISE Multan 2014, BISE D.G Khan 2014, BISE Bahawalpur

**Q7. Write a note on AIDS.**

2021, BISE Sargodha 2016, BISE D.G Khan 2021, BISE Sahiwal 2015, BISE Faisalabad 2016, BISE Faisalabad 2014, BISE Sargodha 2016, BISE Sargodha 2016, BISE Lahore 2017, BISE Sargodha

**Q8. Describe the female reproductive system of rabbit.**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2014, BISE Lahore 2016, BISE D.G Khan 2019, BISE Gujranwala 2015, BISE Bahawalpur 2014, BISE Gujranwala 2018, BISE Sargodha 2015, BISE Lahore

**Q9. Describe the structure of dicot seed. OR Write a note on the development and structure of the seed.**

2019, BISE D.G Khan 2016, BISE Gujranwala 2017, BISE Sahiwal 2020, BISE Gujranwala 2016, BISE Sargodha 2014, BISE Gujranwala 2017, BISE Lahore 2020, BISE D.G Khan 2015, BISE Sargodha

**Q10. Write a note on gametogenesis. OR Describe in details spermatogenesis and oogenesis.**

2020, BISE Sargodha 2015, BISE Faisalabad 2015, BISE Bahawalpur 2017, BISE Multan 2020, BISE Multan 2014, BISE Gujranwala 2016, BISE Rawalpindi 2015, BISE Sargodha

**Q11. Describe two most common methods of artificial vegetative propagation. OR Write a note on cutting and grafting.**

2021, BISE Lahore 2020, BISE Rawalpindi 2015, BISE Faisalabad 2018, BISE Bahawalpur 2019, BISE Faisalabad 2020, BISE Multan 2014, BISE Sargodha 2017, BISE Bahawalpur

**Q12. Write a detailed note on budding. OR Write a note on budding in yeast and hydra.**

2021, BISE Multan 2014, BISE Lahore 2017, BISE Sahiwal 2018, BISE Faisalabad 2014, BISE Bahawalpur 2015, BISE D.G Khan

**Q13. What is meant by pollination. Explain its types.**

2020, BISE Sargodha 2016, BISE Gujranwala 2014, BISE Sargodha 2015, BISE Lahore 2015, BISE Multan

**Q14. Explain sexual reproduction in flowering plants. Also draw the diagram of its life cycle. OR Explain the life cycle of flowering plants.**

2015, BISE Bahawalpur 2015, BISE Sargodha 2015, BISE Lahore

**Q15. Explain sexual reproduction in plants. OR Write a note on alternation of generation in plants.**

2015, BISE Rawalpindi 2015, BISE Multan

**Q16. Describe internal and external fertilization. OR Explain two mechanisms of fertilization in animals.**

2021, BISE Gujranwala 2021, BISE Faisalabad

**Q17. Describe increase in human population and its consequences.**

2020, BISE Rawalpindi 2017, BISE D.G Khan

**Q18. Compare the insect pollinated and wind pollinated flowers.**

2017, BISE Rawalpindi 2021, BISE Lahore

**Q19. Give role of NACP.**

2018, BISE Multan 2018, BISE Rawalpindi

**Q20. Write a note on tissue culture and cloning.**

2018, BISE Gujranwala 2015, BISE Sargodha

**Q21. What is meant by reproduction? Write its importance.**

2015, BISE Rawalpindi

**Q22. Describe the structure of angiosperm flower. OR Describe the structure of flower.**

2020, BISE Bahawalpur

### Chapter No. 15

### Short Question

**Q1. Define co-dominance. Give an example.**

2020, BISE Sahiwal 2014, BISE Lahore 2017, BISE Gujranwala 2020, BISE Sargodha 2016, BISE Multan 2019, BISE Lahore 2018, BISE Faisalabad 2015, BISE Bahawalpur 2020, BISE Lahore 2020, BISE Multan 2014, BISE Multan 2018, BISE Sahiwal 2017, BISE D.G Khan 2017, BISE Sargodha 2017, BISE Bahawalpur 2015, BISE Multan

**Q2. Define Mendel's Law of independent assortment.**

2020, BISE Sahiwal 2020, BISE Rawalpindi 2020, BISE Bahawalpur 2018, BISE Lahore 2019, BISE Gujranwala 2020, BISE Gujranwala 2017, BISE Multan 2020, BISE Multan 2018, BISE Sahiwal 2014, BISE Gujranwala 2017, BISE D.G Khan 2019, BISE Multan 2018, BISE D.G Khan 2020, BISE D.G Khan 2017, BISE Bahawalpur

**Q3. Define Law of Segregation.**

2020, BISE Sahiwal 2017, BISE Gujranwala 2020, BISE Sargodha 2020, BISE Bahawalpur 2015, BISE Rawalpindi 2018, BISE Bahawalpur 2017, BISE Multan 2014, BISE Sargodha 2017, BISE D.G Khan 2016, BISE Lahore 2014, BISE Bahawalpur 2017, BISE Lahore 2017, BISE Bahawalpur 2015, BISE Lahore

**Q4. Define genotype and phenotype. / Differentiate between genotype and phenotype.**

2019, BISE Rawalpindi 2015, BISE Gujranwala 2016, BISE D.G Khan 2015, BISE Faisalabad 2020, BISE Lahore 2016, BISE Sargodha 2015, BISE Sahiwal 2018, BISE Gujranwala 2016, BISE Rawalpindi 2015, BISE Lahore 2015, BISE Multan

**Q5. Define incomplete dominance. Give an example.**

2014, BISE Rawalpindi 2017, BISE Rawalpindi 2020, BISE Rawalpindi 2018, BISE Faisalabad 2020, BISE Gujranwala 2020, BISE Lahore 2014, BISE Sahiwal 2019, BISE Multan 2018, BISE Sargodha 2018, BISE Gujranwala 2018, BISE Rawalpindi

**Q6. Differentiate between breeds and varieties or cultivars.**

2014, BISE Rawalpindi 2016, BISE Sahiwal 2020, BISE Rawalpindi 2017, BISE Faisalabad 2018, BISE Bahawalpur 2018, BISE Multan 2019, BISE Sargodha 2020, BISE Multan 2016, BISE Lahore 2016, BISE Bahawalpur 2017, BISE Bahawalpur

**Q7. Differentiate between transcription and translation.**

2020, BISE Sahiwal 2019, BISE Rawalpindi 2021, BISE Lahore 2017, BISE Gujranwala 2018, BISE Bahawalpur 2017, BISE Multan 2020, BISE Multan 2017, BISE D.G Khan 2018, BISE Sargodha 2020, BISE D.G Khan 2018, BISE Rawalpindi

**Q8. Differentiate between dominant allele and recessive allele.**

2021, BISE Sargodha 2021, BISE Lahore 2020, BISE Sargodha 2019, BISE Gujranwala 2017, BISE Faisalabad 2020, BISE Lahore 2017, BISE Sahiwal 2019, BISE Faisalabad 2017, BISE D.G Khan 2018, BISE Sargodha

**Q9. Differentiate between homozygous genotype and heterozygous genotype.**

2020, BISE Sargodha 2018, BISE Lahore 2019, BISE D.G Khan 2019, BISE Lahore 2017, BISE Sahiwal 2021, BISE Sahiwal 2021, BISE D.G Khan 2020, BISE Multan 2019, BISE Multan 2020, BISE D.G Khan

**Q10. What is anti-evolution or theory of special creation?**

2020, BISE Sahiwal 2020, BISE Rawalpindi 2019, BISE Bahawalpur 2019, BISE Lahore 2019, BISE Sargodha 2016, BISE Bahawalpur 2018, BISE Gujranwala 2017, BISE Lahore 2015, BISE Sargodha 2015, BISE Lahore

**Q11. Differentiate between monohybrid cross and dihybrid cross.**

2020, BISE Sahiwal 2014, BISE Lahore 2019, BISE D.G Khan 2021, BISE Sahiwal 2018, BISE Bahawalpur 2021, BISE D.G Khan 2020, BISE Multan 2015, BISE Sahiwal 2018, BISE D.G Khan 2015, BISE D.G Khan

**Q12. What features should be present in an organism used for genetic experiments? / Why Mendel selected pea plant for his experiments?**

2021, BISE Multan 2020, BISE Sahiwal 2021, BISE Lahore 2017, BISE Faisalabad 2020, BISE Gujranwala 2018, BISE Multan 2021, BISE Gujranwala 2016, BISE Sargodha 2018, BISE Rawalpindi

**Q13. What is nucleosome?**

2019, BISE Rawalpindi 2021, BISE Lahore 2017, BISE Faisalabad 2020, BISE Lahore 2018, BISE Sahiwal 2017, BISE Sargodha 2017, BISE Lahore 2020, BISE D.G Khan 2017, BISE Bahawalpur

**Q14. Make a list of nitrogenous bases in double helix.**

2020, BISE Bahawalpur 2016, BISE Multan 2018, BISE Bahawalpur 2021, BISE Gujranwala 2017, BISE D.G Khan 2020, BISE Gujranwala 2018, BISE Gujranwala 2016, BISE Rawalpindi 2017, BISE Lahore

**Q15. Define Punnett Square.**

2021, BISE Lahore 2017, BISE Gujranwala 2020, BISE Sargodha 2016, BISE Multan 2019, BISE Faisalabad 2019, BISE Sargodha 2018, BISE Gujranwala 2015, BISE D.G Khan

**Q16. Define artificial selection or selective breeding.**

2018, BISE Lahore 2019, BISE Gujranwala 2015, BISE Rawalpindi 2018, BISE Faisalabad 2017, BISE Multan 2014, BISE Gujranwala 2018, BISE Gujranwala 2015, BISE Multan

**Q17. Differentiate between discontinuous and continuous variations.**

2014, BISE Rawalpindi 2020, BISE Lahore 2015, BISE Rawalpindi 2017, BISE Sahiwal 2015, BISE Bahawalpur 2018, BISE Bahawalpur 2015, BISE Sahiwal 2015, BISE Lahore

**Q18. Define variation. Give two sources of variations.**

2018, BISE Multan 2017, BISE Multan 2019, BISE D.G Khan 2014, BISE Multan 2018, BISE Sahiwal 2014, BISE Bahawalpur 2015, BISE Multan

**Q19. What are traits? Write two human traits.**

2017, BISE Rawalpindi 2020, BISE Rawalpindi 2018, BISE Lahore 2021, BISE D.G Khan 2018, BISE D.G Khan 2021, BISE Faisalabad

**Q20. Describe continuous variations.**

2020, BISE Rawalpindi 2018, BISE Bahawalpur 2014, BISE Bahawalpur 2020, BISE D.G Khan 2018, BISE Rawalpindi

**Q21. Define Allele.**

2020, BISE Bahawalpur 2021, BISE D.G Khan 2021, BISE Sahiwal 2018, BISE Multan 2021, BISE Faisalabad

**Q22. Define a Gene. Write symbols of genes for any two traits.**

2021, BISE Multan 2021, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE D.G Khan 2016, BISE Rawalpindi

**Q23. Define Genetics.**

2014, BISE Rawalpindi 2016, BISE Gujranwala 2020, BISE Multan 2018, BISE Sargodha

**Q24. What are homologous chromosomes? OR / What are Homologous chromosomes? How many of these exist in man?**

2021, BISE Multan 2021, BISE Sahiwal 2020, BISE Gujranwala 2017, BISE Sargodha

**Q25. Define Inheritance.**

2021, BISE Lahore 2017, BISE Faisalabad 2017, BISE Lahore

**Q26. Give composition of chromatin/ chromosome.**

2021, BISE Sargodha 2021, BISE Gujranwala

**Q27. Define Locus.**

2021, BISE Lahore 2020, BISE Gujranwala

**Q28. Define Natural selection.**

2020, BISE Rawalpindi 2020, BISE Gujranwala

**Q29. What is central dogma?**

2021, BISE Multan 2017, BISE Multan

**Q30. Define organic or biological evolution.**

2015, BISE Faisalabad 2017, BISE Lahore

**Q31. Write two possible genotypes for blood group B.**

2020, BISE Multan 2014, BISE Multan

**Q32. What is genotype? Give its types.**

2020, BISE Gujranwala 2019, BISE Faisalabad

**Q33. What are discontinuous variations?**

2014, BISE Multan

**Q34. What will be Genotype of plants produced as a result of cross between two plants having Genotype Rr?**

2014, BISE Lahore

**Q35. How many alleles have 'I' gene, responsible for blood groups in human?**

2014, BISE Faisalabad

**Q36. Define DNA replication. / Give the purpose of DNA replication?**

2020, BISE Lahore

**Q37. Write two possible genotypes for blood group A.**

2014, BISE Multan

### Long Question

**Q1. State and explain with examples Mendel's law of segregation.**

2016, BISE D.G Khan 2015, BISE Bahawalpur 2014, BISE Multan 2014, BISE Gujranwala 2016, BISE Lahore 2015, BISE Multan

**Q2. Describe the Watson and crick model of DNA.**

2015, BISE Faisalabad 2015, BISE Sahiwal 2016, BISE Bahawalpur 2016, BISE Rawalpindi 2015, BISE Sargodha 2015, BISE Multan

**Q3. Write a note on artificial selection.**

2016, BISE D.G Khan 2016, BISE Sargodha 2016, BISE Lahore 2015, BISE Sargodha

**Q4. How does the DNA of chromosomes work? OR What do you know about the central dogma?**

2016, BISE Sahiwal 2015, BISE Bahawalpur 2017, BISE Sargodha 2015, BISE Lahore

**Q5. Explain Mendel's law of Independent Assortment with example.**

2015, BISE Rawalpindi 2016, BISE Faisalabad 2014, BISE Gujranwala 2014, BISE D.G Khan

**Q6. How would you prove that variations lead to evolution?**

**OR Define organic evolution. Describe the processes of evolution. Also describe different ideas of evolution.**

2016, BISE Multan 2016, BISE Rawalpindi 2015, BISE Sargodha

**Q7. Write a note on replication of DNA.**

2013, BISE Gujranwala 2015, BISE D.G Khan

**Q8. Why did Mendel selected pea plant for his experiments?**

2016, BISE Gujranwala 2016, BISE Lahore

**Q9. Describe role of natural selection in evolution with examples.**

2015, BISE Gujranwala 2015, BISE Faisalabad

**Q10. What is meant by genotype? Explain its types with examples.**

2016, BISE Sargodha

**Q11. What do you mean by incomplete dominance? Explain with an example.**

2015, BISE Faisalabad

**Q12. Explain different types of inheritable variations.**

2015, BISE Bahawalpur

### Chapter No. 16

#### Short Question

**Q1. Define food chain. Give one example.**

2021, BISE Multan 2014, BISE Lahore 2016, BISE Sahiwal 2020, BISE Rawalpindi 2016, BISE Multan 2016, BISE Gujranwala 2015, BISE Faisalabad 2020, BISE Gujranwala 2015, BISE Bahawalpur 2018, BISE Multan 2019, BISE Faisalabad 2018, BISE Sahiwal 2015, BISE Sahiwal 2014, BISE Gujranwala 2016, BISE Lahore 2016, BISE Rawalpindi 2017, BISE Lahore 2020, BISE D.G Khan 2015, BISE Multan

**Q2. Define commensalism with examples.**

2021, BISE Multan 2016, BISE D.G Khan 2017, BISE Faisalabad 2015, BISE Bahawalpur 2021, BISE Bahawalpur 2018, BISE Sargodha 2018, BISE Gujranwala 2014, BISE Bahawalpur 2015, BISE D.G Khan 2020, BISE D.G Khan 2017, BISE Bahawalpur 2015, BISE Sargodha

**Q3. Define food web.**

2016, BISE Sahiwal 2018, BISE Lahore 2016, BISE Gujranwala 2015, BISE Rawalpindi 2017, BISE Sahiwal 2015, BISE Faisalabad 2019, BISE D.G Khan 2018, BISE Sahiwal 2014, BISE Gujranwala 2016, BISE Rawalpindi 2017, BISE Bahawalpur 2015, BISE Multan

**Q4. Differentiate between ectoparasites and endoparasites.**

2021, BISE Multan 2015, BISE Gujranwala 2016, BISE Sahiwal 2017, BISE Sahiwal 2018, BISE Bahawalpur 2020, BISE Lahore 2014, BISE Sargodha 2016, BISE Sargodha 2018, BISE Sargodha 2017, BISE Sargodha

**Q5. What is global warming and describe its effects.**

2020, BISE Bahawalpur 2018, BISE Lahore 2016, BISE Multan 2020, BISE Gujranwala 2019, BISE Sargodha 2017, BISE D.G Khan 2014, BISE Bahawalpur 2020, BISE D.G Khan 2015, BISE Sargodha

**Q6. What is meant by ecosystem? Give its components. / Give two examples of natural ecosystem.**

2020, BISE Sargodha 2017, BISE Faisalabad 2018, BISE Faisalabad 2018, BISE Bahawalpur 2014, BISE Multan 2018, BISE Sahiwal 2014, BISE Gujranwala 2019, BISE Multan 2018, BISE Rawalpindi

**Q7. Differentiate between population and community.**

2020, BISE Sahiwal 2019, BISE Bahawalpur 2020, BISE Bahawalpur 2018, BISE Lahore 2018, BISE Faisalabad 2020, BISE Lahore 2019, BISE Multan 2020, BISE D.G Khan 2017, BISE Bahawalpur

**Q8. What is predation?**

2020, BISE Sahiwal 2017, BISE Gujranwala 2018, BISE Faisalabad 2015, BISE Bahawalpur 2016, BISE Lahore 2014, BISE Bahawalpur 2017, BISE Lahore 2015, BISE Lahore

**Q9. What is meant by denitrification? What are the effects of denitrification?**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2019, BISE Lahore 2020, BISE Lahore 2014, BISE Gujranwala 2018, BISE Gujranwala 2020, BISE D.G Khan 2015, BISE Lahore

**Q10. Define Acid rain.**

2015, BISE Gujranwala 2020, BISE Bahawalpur 2017, BISE Sahiwal 2015, BISE Faisalabad 2017, BISE Multan 2016, BISE Sargodha 2014, BISE Bahawalpur

**Q11. What is eutrophication?**

2020, BISE Rawalpindi 2015, BISE Faisalabad 2015, BISE Bahawalpur 2020, BISE Lahore 2019, BISE Sargodha 2015, BISE Multan

**Q12. What is ecological pyramid?**

2020, BISE Sahiwal 2015, BISE Bahawalpur 2016, BISE Faisalabad 2014, BISE Multan 2016, BISE Rawalpindi 2015, BISE Lahore

**Q13. Define trophic level.**

2020, BISE Lahore 2017, BISE Sahiwal 2015, BISE Sahiwal 2020, BISE D.G Khan 2015, BISE Lahore

**Q14. What is meant by assimilation?**

2014, BISE Rawalpindi 2015, BISE Faisalabad 2014, BISE Sargodha 2020, BISE Gujranwala 2018, BISE D.G Khan

**Q15. What are biogeochemical cycles?**

2020, BISE Sahiwal 2014, BISE Lahore 2014, BISE Gujranwala 2019, BISE Multan 2018, BISE D.G Khan

**Q16. Define parasitism.**

2014, BISE Rawalpindi 2016, BISE D.G Khan 2020, BISE Lahore 2018, BISE Sahiwal 2014, BISE Gujranwala

**Q17. Define competition.**

2020, BISE Sargodha 2016, BISE Gujranwala 2018, BISE Faisalabad 2014, BISE Multan

**Q18. What are decomposers?**

2020, BISE Sargodha 2019, BISE Lahore 2017, BISE Sahiwal 2018, BISE Sargodha

**Q19. What is ammonification?**

2019, BISE Sargodha 2015, BISE Sahiwal 2020, BISE Gujranwala 2015, BISE Multan

**Q20. Define Deforestation and describe its causes.**

2020, BISE Bahawalpur 2015, BISE Faisalabad 2014, BISE Sargodha 2016, BISE Rawalpindi

**Q21. From where producers get their energy and in what form they store in themselves?**

2014, BISE Rawalpindi 2020, BISE Rawalpindi 2016, BISE Faisalabad 2016, BISE Lahore

**Q22. Define mutualism.**

2015, BISE Rawalpindi 2017, BISE D.G Khan 2014, BISE Faisalabad 2015, BISE Sargodha

**Q23. Define Ecology.**

2016, BISE Faisalabad 2017, BISE Multan 2020, BISE D.G Khan

**Q24. What do you mean by the concept of 3Rs with reference to the conservation of natural resources?**

2021, BISE Multan 2017, BISE Rawalpindi 2018, BISE D.G Khan

**Q25. Write the symptoms of Dengue fever.**

2017, BISE Gujranwala 2016, BISE D.G Khan 2016, BISE Multan

**Q26. What is nitrogen fixation?**

2016, BISE Multan 2014, BISE Multan 2017, BISE Lahore

**Q27. Define Species.**

2021, BISE Multan 2018, BISE Bahawalpur 2018, BISE Sargodha

**Q28. What are producers?**

2021, BISE Multan 2020, BISE Sahiwal 2020, BISE Sargodha

**Q29. Define pyramid of biomass.**

2020, BISE Gujranwala 2018, BISE Multan

**Q30. Write two effects of air pollution.**

2019, BISE Gujranwala 2018, BISE Bahawalpur

**Q31. What are the different levels of ecological organization?**

2017, BISE Multan 2017, BISE Bahawalpur

**Q32. What is atmospheric nitrogen fixation?**

2020, BISE Rawalpindi 2019, BISE D.G Khan

**Q33. What are herbivores?**

2016, BISE D.G Khan 2020, BISE Multan

**Q34. What is biological nitrogen fixation?**

2020, BISE Multan 2018, BISE Rawalpindi

**Q35. Define symbiosis.**

2020, BISE Multan 2017, BISE D.G Khan

**Q36. What are carnivores? Write the types of carnivores.**

2020, BISE Bahawalpur 2019, BISE D.G Khan

**Q37. Define biomass.**

2020, BISE Bahawalpur 2018, BISE Sahiwal

**Q38. Define Biosphere.**

2018, BISE D.G Khan

**Q39. Differentiate between intraspecific competition and interspecific competition.**

2017, BISE Lahore

**Q40. Define pollution and pollutants.**

2020, BISE Gujranwala

**Q41. What is the R3 Principle?**

2020, BISE Sargodha

**Q42. What is greenhouse effect?**

2019, BISE Lahore

**Q43. What is nitrification?**

2020, BISE Bahawalpur

**Q44. What are differences between non-renewable resources and renewable resources?**

2016, BISE Bahawalpur

**Q45. What is the importance of predation?**

2018, BISE Rawalpindi

**Q46. What type of decomposers are usually found in a pond ecosystem?**

2020, BISE Sargodha

### Long Question

**Q1. Write the names of stages of nitrogen cycle and explain them.**

2017, BISE Rawalpindi 2017, BISE Sahiwal 2015, BISE Faisalabad 2016, BISE Faisalabad 2019, BISE Faisalabad 2017, BISE Multan 2014, BISE Sargodha 2015, BISE Sahiwal 2014, BISE Gujranwala 2016, BISE Lahore 2014, BISE Faisalabad 2019, BISE Multan 2018, BISE D.G Khan 2018, BISE Gujranwala 2015, BISE Lahore 2015, BISE Multan

**Q2. What are different biotic components of ecosystem?**

**Describe the role of each component in ecosystem.**

2015, BISE Gujranwala 2014, BISE Lahore 2018, BISE Lahore 2015, BISE Faisalabad 2018, BISE Faisalabad 2018, BISE Multan 2014, BISE Sargodha 2018, BISE Sahiwal 2014, BISE Gujranwala 2014, BISE D.G Khan 2016, BISE Rawalpindi 2015, BISE Sargodha

**Q3. Write a note on carbon cycle.**

2019, BISE Rawalpindi 2015, BISE Gujranwala 2016, BISE Multan 2016, BISE Gujranwala 2017, BISE Faisalabad 2015, BISE Rawalpindi 2018, BISE Gujranwala 2017, BISE Lahore 2015, BISE Lahore

**Q4. Describe different types of symbiosis.**

2014, BISE Rawalpindi 2017, BISE Faisalabad 2015, BISE Rawalpindi 2014, BISE Multan 2017, BISE D.G Khan 2016, BISE Lahore 2018, BISE Sargodha

**Q5. Define and explain the ecological pyramids.**

2017, BISE Gujranwala 2019, BISE D.G Khan 2015, BISE Faisalabad 2017, BISE Multan 2014, BISE Faisalabad 2014, BISE Bahawalpur

**Q6. What is meant by acid rain? Describe its effects.**

2018, BISE Lahore 2019, BISE Gujranwala 2015, BISE Bahawalpur 2017, BISE Sargodha 2015, BISE D.G Khan 2017, BISE Bahawalpur

**Q7. What is air pollution? Describe the effects of air pollution.**

2019, BISE Rawalpindi 2018, BISE Multan 2019, BISE Sargodha 2018, BISE Sargodha 2018, BISE Rawalpindi

**Q8. Define greenhouse effect. Describe the effects of global warming.**

2017, BISE Gujranwala 2016, BISE Bahawalpur 2016, BISE Rawalpindi 2017, BISE Lahore 2017, BISE Bahawalpur

**Q9. What is water pollution? Describe its effects and control.**

2017, BISE Rawalpindi 2018, BISE Bahawalpur 2018, BISE Sahiwal

**Q10. Give a detail account of urbanization.**

2019, BISE Lahore

### Chapter No. 17

### Short Question

**Q1. Define Biotechnology.**

2021, BISE Multan 2021, BISE Sargodha 2020, BISE Sahiwal 2014, BISE Lahore 2021, BISE Lahore 2017, BISE Gujranwala 2020, BISE Sargodha 2020, BISE Bahawalpur 2017, BISE Faisalabad 2019, BISE Lahore 2015, BISE Rawalpindi 2021, BISE Sahiwal 2015, BISE Faisalabad 2016, BISE Faisalabad 2018, BISE Multan 2021, BISE Gujranwala 2020, BISE Multan 2018, BISE Sahiwal 2014, BISE Gujranwala 2018, BISE Sargodha 2018, BISE Gujranwala 2020, BISE D.G Khan

**Q2. Define genetic engineering. Or Define Modern Biotechnology.**

2020, BISE Sahiwal 2017, BISE Rawalpindi 2016, BISE D.G Khan 2016, BISE Gujranwala 2017, BISE Faisalabad 2021, BISE D.G Khan 2017, BISE Sahiwal 2021, BISE Sahiwal 2017, BISE Multan 2021, BISE Gujranwala 2020, BISE Multan 2014, BISE Multan 2016, BISE Bahawalpur 2021, BISE Bahawalpur 2019, BISE Multan 2018, BISE Gujranwala 2021, BISE Faisalabad 2017, BISE Lahore 2015, BISE Lahore

**Q3. Write two benefits of the use of fermenter.**

2015, BISE Gujranwala 2014, BISE Lahore 2019, BISE D.G Khan 2018, BISE Faisalabad 2015, BISE Bahawalpur 2014, BISE Multan 2018, BISE Sahiwal 2015, BISE Sahiwal 2017, BISE D.G Khan 2014, BISE Bahawalpur 2015, BISE D.G Khan 2017, BISE Lahore 2018, BISE Rawalpindi 2015, BISE Multan

**Q4. What is meant by single cell protein or novel protein/minifood? How are these produced?**

2020, BISE Sahiwal 2014, BISE Lahore 2020, BISE Rawalpindi 2017, BISE Gujranwala 2016, BISE Multan 2016, BISE Gujranwala 2018, BISE Multan 2017, BISE Multan 2018, BISE Sahiwal 2015, BISE Sahiwal 2016, BISE Lahore 2016, BISE Bahawalpur 2017, BISE Bahawalpur 2015, BISE Multan

**Q5. Name any two industrial products made by fermentation? Also describe their uses in the industry.**

2019, BISE Bahawalpur 2020, BISE Bahawalpur 2019, BISE D.G Khan 2019, BISE Lahore 2015, BISE Faisalabad 2015, BISE Bahawalpur 2019, BISE Faisalabad 2020, BISE Faisalabad 2015, BISE Sahiwal 2018, BISE Gujranwala 2021, BISE Faisalabad 2015, BISE D.G Khan

**Q6. Define Fermentation.**

2021, BISE Sargodha 2017, BISE Sahiwal 2020, BISE Gujranwala 2015, BISE Bahawalpur 2019, BISE Faisalabad 2014, BISE Gujranwala 2019, BISE Multan 2018, BISE D.G Khan 2020, BISE D.G Khan

**Q7. What is Recombinant DNA?**

2021, BISE Multan 2015, BISE Gujranwala 2018, BISE Faisalabad 2020, BISE Lahore 2021, BISE D.G Khan 2021, BISE Gujranwala 2018, BISE Gujranwala 2021, BISE Faisalabad 2017, BISE Lahore

**Q8. What is urokinase?**

2021, BISE Multan 2021, BISE Sargodha 2020, BISE Sahiwal 2015, BISE Rawalpindi 2018, BISE Multan 2015, BISE Sahiwal 2017, BISE D.G Khan 2018, BISE D.G Khan 2018, BISE Sargodha

**Q9. Write any two achievements of genetic engineering.**

2014, BISE Rawalpindi 2017, BISE Gujranwala 2016, BISE D.G Khan 2014, BISE Multan 2017, BISE D.G Khan 2014, BISE Bahawalpur 2016, BISE Rawalpindi 2017, BISE Bahawalpur 2015, BISE Lahore

**Q10. Write two uses of glycerol.**

2019, BISE Rawalpindi 2020, BISE Sargodha 2018, BISE Lahore 2016, BISE Gujranwala 2014, BISE Gujranwala 2016, BISE Bahawalpur 2018, BISE D.G Khan 2017, BISE Bahawalpur

**Q11. What is meant by Recombinant DNA Technology/Genetic Engineering? Give its one benefit.**

2015, BISE Gujranwala 2016, BISE D.G Khan 2016, BISE Multan 2018, BISE Bahawalpur 2014, BISE Sargodha 2016, BISE Sargodha 2015, BISE D.G Khan 2015, BISE Lahore

**Q12. What is Alcoholic fermentation?**

2014, BISE Rawalpindi 2015, BISE Gujranwala 2018, BISE Lahore 2018, BISE D.G Khan 2018, BISE Gujranwala 2014, BISE Bahawalpur 2016, BISE Rawalpindi 2018, BISE Rawalpindi

**Q13. Write any two objectives of genetic engineering.**

2014, BISE Rawalpindi 2018, BISE Lahore 2019, BISE Sargodha 2018, BISE D.G Khan 2018, BISE Gujranwala 2014, BISE Bahawalpur 2016, BISE Rawalpindi 2015, BISE Multan

**Q14. Describe the uses of fermentation in dairy products. / How cheese is formed?**

2020, BISE Sargodha 2021, BISE D.G Khan 2018, BISE Multan 2019, BISE Faisalabad 2017, BISE Multan 2014, BISE Bahawalpur 2015, BISE Sargodha

**Q15. Name two basic types of Fermentation.**

2014, BISE Lahore 2015, BISE Bahawalpur 2016, BISE Faisalabad 2016, BISE Bahawalpur 2017, BISE Sargodha 2021, BISE Faisalabad

**Q16. What is thymosin?**

2020, BISE Sahiwal 2017, BISE Faisalabad 2018, BISE Faisalabad 2015, BISE Bahawalpur 2018, BISE Bahawalpur 2015, BISE D.G Khan

**Q17. What is role of endonuclease and ligase?**

2016, BISE Gujranwala 2020, BISE Lahore 2021, BISE Gujranwala 2014, BISE Sargodha 2020, BISE D.G Khan

**Q18. What is the meaning of fermentation on Biotechnology?**

2021, BISE Multan 2016, BISE Faisalabad 2020, BISE Lahore 2016, BISE Sargodha 2016, BISE Bahawalpur

**Q19. What is Beta-Endorphin?**

2020, BISE Bahawalpur 2018, BISE Lahore 2015, BISE D.G Khan 2018, BISE Rawalpindi

**Q20. Write any two characteristics of transgenic animals.**

2017, BISE Rawalpindi 2017, BISE Sahiwal 2018, BISE Faisalabad 2017, BISE Lahore

**Q21. In biotechnology, what is meant by genetically modified organism (GMO)? How is it made?**

2017, BISE Rawalpindi 2020, BISE Sargodha 2020, BISE Multan 2018, BISE Sargodha

**Q22. What is Restriction endonucleases?**

2021, BISE Sargodha 2020, BISE Bahawalpur 2020, BISE D.G Khan

**Q23. Write down the few uses of Ethanol in industrial products.**

2021, BISE Multan 2021, BISE Lahore 2021, BISE Sahiwal

**Q24. Give an example how biotechnology is helping for better environment.**

2017, BISE D.G Khan 2016, BISE Rawalpindi 2018, BISE Rawalpindi

**Q25. Define glycolysis/ carbohydrate fermentation and write the name of its product.**

2019, BISE Rawalpindi 2021, BISE D.G Khan 2014, BISE Gujranwala

**Q26. How gene of interest is isolated?**

2020, BISE Rawalpindi 2018, BISE Lahore 2021, BISE D.G Khan

**Q27. Write any two applications of fermentation.**

2016, BISE D.G Khan 2020, BISE Multan

**Q28. Define vector. / Define biological vectors and give examples.**

2016, BISE Lahore 2017, BISE Bahawalpur

**Q29. What are interferons?**

2015, BISE Sahiwal 2021, BISE Bahawalpur

**Q30. Give any two advantages of SCP.**

2018, BISE Multan 2017, BISE Sargodha

**Q31. What is continuous fermentation?**

2020, BISE Gujranwala

**Q32. What do you know about Dolly?**

2018, BISE Bahawalpur

**Q33. What is a transgenic organism?**

2019, BISE Gujranwala

**Q34. Write down the application of fermentation in beverage products.**

2020, BISE Rawalpindi

### Long Question

**Q1. Explain the groups of fermented food. OR Discuss the application of fermentation. OR Explain the industrial products obtained through fermentation.**

2021, BISE Multan 2014, BISE Rawalpindi 2021, BISE Sargodha 2016, BISE Sahiwal 2021, BISE Lahore 2016, BISE Multan 2015, BISE Rawalpindi 2017, BISE Sahiwal 2021, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE Bahawalpur 2017, BISE Multan 2021, BISE Gujranwala 2014, BISE Sargodha 2014, BISE Multan 2014, BISE Gujranwala 2016, BISE Lahore 2016, BISE Bahawalpur 2020, BISE Gujranwala 2015, BISE Lahore

**Q2. Describe the basic steps of genetic engineering.**

2021, BISE Multan 2021, BISE Sargodha 2017, BISE Rawalpindi 2020, BISE Sargodha 2016, BISE D.G Khan 2019, BISE Lahore 2016, BISE Faisalabad 2020, BISE Lahore 2021, BISE Gujranwala 2019, BISE Sargodha 2018, BISE Sahiwal 2015, BISE Sahiwal 2016, BISE Bahawalpur 2019, BISE Multan 2021, BISE Faisalabad 2017, BISE Lahore 2015, BISE Sargodha 2015, BISE Lahore 2018, BISE Rawalpindi

**Q3. Write down the achievements of genetic engineering.**

2014, BISE Rawalpindi 2019, BISE Rawalpindi 2015, BISE Gujranwala 2020, BISE Rawalpindi 2017, BISE Gujranwala 2020, BISE Sargodha 2017, BISE Faisalabad 2015, BISE Faisalabad 2015, BISE Bahawalpur 2020, BISE Multan 2016, BISE Sargodha 2018, BISE Sargodha 2018, BISE Gujranwala 2017, BISE Sargodha 2021, BISE Faisalabad 2020, BISE D.G Khan 2015, BISE D.G Khan 2015, BISE Multan

**Q4. Describe the scope and importance of Biotechnology in the field of medicine, food and agriculture. OR Describe the role of Biotechnology in the field of Environment and Medicine. OR Explain the scope and importance of Biotechnology.**

2014, BISE Lahore 2018, BISE Lahore 2016, BISE Gujranwala 2020, BISE Lahore 2017, BISE Sahiwal 2015, BISE Faisalabad 2018, BISE Faisalabad 2015, BISE Bahawalpur 2016, BISE Faisalabad 2018, BISE Multan 2020, BISE Multan 2014, BISE Sargodha 2019, BISE D.G Khan 2018, BISE Sahiwal 2014, BISE Faisalabad 2018, BISE D.G Khan 2014, BISE Bahawalpur 2015, BISE Multan

**Q5. Explain two basic types of carbohydrate fermentation. OR Briefly explain the process of fermentation.**

2020, BISE Sahiwal 2020, BISE Bahawalpur 2016, BISE D.G Khan 2019, BISE Gujranwala 2021, BISE D.G Khan 2015, BISE Rawalpindi 2018, BISE Multan 2016, BISE Sargodha 2021, BISE Bahawalpur 2014, BISE Faisalabad 2018, BISE Sargodha 2014, BISE Bahawalpur 2017, BISE Sargodha 2016, BISE Rawalpindi 2017, BISE Bahawalpur 2015, BISE Sargodha 2015, BISE Multan

**Q6. Define genetic engineering. Write the objectives of genetic engineering.**

2020, BISE Rawalpindi 2017, BISE Gujranwala 2018, BISE Lahore 2016, BISE Multan 2017, BISE Sahiwal 2017, BISE Multan 2020, BISE Multan 2016, BISE Rawalpindi 2020, BISE D.G Khan 2018, BISE Rawalpindi

**Q7. What are fermenters? Write two methods of fermentation process.**

2020, BISE Sahiwal 2018, BISE Bahawalpur 2019, BISE Faisalabad 2014, BISE Gujranwala 2018, BISE Gujranwala 2015, BISE D.G Khan 2017, BISE Bahawalpur

**Q8. What is meant by Single Cell Protein? Write the significance of SCP.**

2015, BISE Gujranwala 2017, BISE Faisalabad 2020, BISE Gujranwala 2014, BISE Multan 2015, BISE Sahiwal

**Q9. What are the advantages of using fermenters?**

2020, BISE Bahawalpur

### Chapter No. 18

### Short Question

**Q1. Differentiate between medicinal and addictive drugs.**

2017, BISE Rawalpindi 2016, BISE Sahiwal 2018, BISE Lahore 2017, BISE Faisalabad 2019, BISE Lahore 2015, BISE Bahawalpur 2016, BISE Faisalabad 2020, BISE Lahore 2021, BISE D.G Khan 2020, BISE Multan 2014, BISE Multan 2014, BISE Gujranwala 2017, BISE D.G Khan 2021, BISE Bahawalpur 2019, BISE Multan 2021, BISE Faisalabad 2017, BISE Bahawalpur 2018, BISE Rawalpindi 2015, BISE Multan

**Q2. Define pharmacology and distinguish it from pharmacy.**

2020, BISE Sahiwal 2016, BISE Sahiwal 2020, BISE Bahawalpur 2016, BISE Multan 2017, BISE Faisalabad 2018, BISE Faisalabad 2019, BISE Sargodha 2018, BISE Sahiwal 2017, BISE D.G Khan 2016, BISE Bahawalpur 2018, BISE D.G Khan 2018, BISE Gujranwala 2017, BISE Lahore 2017, BISE Bahawalpur 2015, BISE Sargodha 2015, BISE Lahore

**Q3. What are narcotics?**

2014, BISE Rawalpindi 2021, BISE Sargodha 2018, BISE Lahore 2019, BISE D.G Khan 2019, BISE Gujranwala 2019, BISE Lahore 2021, BISE Sahiwal 2016, BISE Faisalabad 2021, BISE Gujranwala 2018, BISE Sahiwal 2015, BISE Sahiwal 2017, BISE D.G Khan 2018, BISE Gujranwala 2014, BISE Bahawalpur 2016, BISE Rawalpindi

**Q4. What are Hallucinations?**

2020, BISE Sahiwal 2015, BISE Gujranwala 2017, BISE Rawalpindi 2016, BISE Sahiwal 2017, BISE Faisalabad 2021, BISE D.G Khan 2017, BISE Sahiwal 2020, BISE Gujranwala 2018, BISE Bahawalpur 2017, BISE Multan 2021, BISE Gujranwala 2018, BISE Sahiwal 2016, BISE Lahore 2017, BISE Lahore 2015, BISE Multan

**Q5. Define antibiotics.**

2021, BISE Sargodha 2020, BISE Sahiwal 2015, BISE Gujranwala 2021, BISE Lahore 2016, BISE D.G Khan 2016, BISE Multan 2021, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE Multan 2016, BISE Sargodha 2015, BISE Sahiwal 2016, BISE Lahore 2016, BISE Bahawalpur 2015, BISE Sargodha

**Q6. What is vaccine? Write two names of commonly used vaccines.**

2021, BISE Sargodha 2021, BISE Lahore 2020, BISE Rawalpindi 2018, BISE Lahore 2016, BISE Multan 2016, BISE Gujranwala 2020, BISE Lahore 2018, BISE Faisalabad 2018, BISE Bahawalpur 2018, BISE Multan 2014, BISE Gujranwala 2018, BISE D.G Khan 2014, BISE Bahawalpur

**Q7. Differentiate between antiseptic and antibiotics.**

2020, BISE Sargodha 2016, BISE Multan 2019, BISE D.G Khan 2019, BISE Gujranwala 2017, BISE Sahiwal 2015, BISE Faisalabad 2017, BISE Multan 2019, BISE Sargodha 2020, BISE Multan 2016, BISE Sargodha 2018, BISE Sargodha 2020, BISE D.G Khan

**Q8. What are antigens?**

2021, BISE Sargodha 2021, BISE Lahore 2020, BISE Bahawalpur 2020, BISE Lahore 2018, BISE Faisalabad 2017, BISE Multan 2018, BISE Sahiwal 2021, BISE Bahawalpur 2017, BISE Sargodha

**Q9. What is meant by drug?**

2020, BISE Sahiwal 2014, BISE Lahore 2020, BISE Rawalpindi 2016, BISE Gujranwala 2020, BISE Lahore 2017, BISE Sahiwal 2018, BISE Faisalabad 2018, BISE Sargodha 2016, BISE Rawalpindi

**Q10. What are synthetic drugs?**

2021, BISE Lahore 2020, BISE Sargodha 2016, BISE Gujranwala 2016, BISE Sargodha 2018, BISE Sahiwal 2015, BISE Sahiwal 2014, BISE Bahawalpur 2017, BISE Lahore 2015, BISE D.G Khan

**Q11. Differentiate between analgesic and antibiotic.**

2017, BISE Rawalpindi 2016, BISE Gujranwala 2015, BISE Rawalpindi 2015, BISE Sahiwal 2016, BISE Lahore 2018, BISE Gujranwala 2020, BISE D.G Khan 2017, BISE Bahawalpur 2015, BISE Sargodha

**Q12. Name two drugs obtained from animals. / Explain drugs from animals.**

2016, BISE D.G Khan 2018, BISE Lahore 2019, BISE Gujranwala 2015, BISE Rawalpindi 2018, BISE Multan 2017, BISE Multan 2017, BISE Sargodha 2018, BISE Rawalpindi

**Q13. What is marijuana? To which category of addictive drugs does it belong? / Write two effects of marijuana.**

2017, BISE Rawalpindi 2016, BISE Faisalabad 2019, BISE Faisalabad 2019, BISE Sargodha 2014, BISE Gujranwala 2018, BISE Gujranwala 2018, BISE Rawalpindi 2015, BISE Multan

**Q14. Write the important contributions of Joseph Lister in the field of surgery.**

2017, BISE Gujranwala 2016, BISE Faisalabad 2019, BISE Faisalabad 2016, BISE Sargodha 2017, BISE D.G Khan 2019, BISE Multan 2018, BISE Gujranwala 2017, BISE Bahawalpur

**Q15. Define sedatives and give examples.**

2021, BISE Multan 2015, BISE Gujranwala 2018, BISE Faisalabad 2021, BISE Gujranwala 2018, BISE D.G Khan 2017, BISE Lahore 2018, BISE Rawalpindi

**Q16. What is meant by Social Stigma?**

2016, BISE Sahiwal 2016, BISE D.G Khan 2017, BISE Sahiwal 2021, BISE D.G Khan 2018, BISE Multan 2016, BISE Lahore 2018, BISE Rawalpindi

**Q17. Differentiate between bactericidal and bacteriostatic.**

2021, BISE Lahore 2020, BISE Sargodha 2015, BISE Bahawalpur 2014, BISE Multan 2016, BISE Lahore 2015, BISE Sargodha

**Q18. Make a difference between broad spectrum and narrow spectrum antibiotics.**

2021, BISE Multan 2021, BISE D.G Khan 2021, BISE Gujranwala 2014, BISE Sargodha 2018, BISE D.G Khan 2018, BISE Rawalpindi

**Q19. Write the name of two drugs which are obtained from minerals.**

2014, BISE Multan 2015, BISE Sahiwal 2018, BISE D.G Khan 2018, BISE Gujranwala 2017, BISE Sargodha 2021, BISE Faisalabad

**Q20. What are Sulpha drugs?**

2017, BISE Gujranwala 2016, BISE Multan 2019, BISE Lahore 2018, BISE Bahawalpur 2015, BISE Multan

**Q21. Define the term cephalosporin.**

2020, BISE Rawalpindi 2017, BISE Faisalabad 2015, BISE Faisalabad 2016, BISE Bahawalpur 2015, BISE Sargodha

**Q22. What are sources of morphine and digitalis?**

2017, BISE Sahiwal 2021, BISE Gujranwala 2014, BISE Gujranwala 2017, BISE Sargodha 2015, BISE Lahore

**Q23. Write the role of antibodies.**

2020, BISE Rawalpindi 2020, BISE Lahore 2021, BISE Bahawalpur 2017, BISE Sargodha

**Q24. What do you know about tetracycline?**

2015, BISE Faisalabad 2016, BISE Sargodha 2018, BISE D.G Khan 2017, BISE Lahore

**Q25. Write the contributions of Sir Alexander Fleming in the field of pharmacology.**

2016, BISE Gujranwala 2017, BISE Faisalabad 2017, BISE Sahiwal 2020, BISE Multan

**Q26. What is heroin? What is its effects on CNS?**

2018, BISE Lahore 2019, BISE Gujranwala 2015, BISE D.G Khan

**Q27. What is tincture of iodine?**

2020, BISE Multan 2021, BISE Faisalabad

**Q28. Define the term disinfectants.**

2015, BISE Faisalabad



## Long Question

**Q1. Write down a note on vaccines and the mode of action of vaccines.**

2021, BISE Multan 2014, BISE Rawalpindi 2020, BISE Sahiwal 2015, BISE Gujranwala 2020, BISE Rawalpindi 2015, BISE Rawalpindi 2015, BISE Faisalabad 2021, BISE D.G Khan 2020, BISE Multan 2014, BISE Sargodha 2016, BISE Lahore 2020, BISE Gujranwala 2016, BISE Rawalpindi 2021, BISE Faisalabad 2015, BISE D.G Khan 2015, BISE Sargodha

**Q2. Describe the types of medicinal drugs on the basis of their types. OR Discuss different sources from where medicinal drugs are obtained.**

2021, BISE Sargodha 2020, BISE Sahiwal 2016, BISE Sahiwal 2021, BISE Lahore 2016, BISE Multan 2015, BISE Faisalabad 2020, BISE Gujranwala 2020, BISE Lahore 2014, BISE Sargodha 2014, BISE Multan 2020, BISE Faisalabad 2015, BISE Sahiwal 2014, BISE Bahawalpur 2021, BISE Faisalabad 2015, BISE Lahore 2015, BISE Multan

**Q3. Describe the resistance of bacteria against antibiotics.**

2021, BISE Sargodha 2015, BISE Gujranwala 2021, BISE Lahore 2020, BISE Rawalpindi 2020, BISE Bahawalpur 2016, BISE Multan 2020, BISE Lahore 2021, BISE Sahiwal 2021, BISE Rawalpindi 2021, BISE Gujranwala 2015, BISE Sahiwal 2021, BISE Bahawalpur 2015, BISE D.G Khan 2015, BISE Sargodha

**Q4. Describe drug addiction and associated problems.**

2021, BISE Multan 2021, BISE Sargodha 2020, BISE Sargodha 2020, BISE Bahawalpur 2016, BISE D.G Khan 2015, BISE Rawalpindi 2021, BISE D.G Khan 2016, BISE Sargodha 2016, BISE Lahore 2016, BISE Rawalpindi 2021, BISE Faisalabad 2020, BISE D.G Khan 2015, BISE Lahore

**Q5. Describe the three types of addictive drugs. OR What is Marijuana? What are its effects. OR Explain narcotics and hallucinogens.**

2015, BISE Faisalabad 2016, BISE Sargodha 2020, BISE D.G Khan 2015, BISE D.G Khan 2015, BISE Lahore

**Q6. Explain major groups of antibiotics.**

2015, BISE Gujranwala 2016, BISE Faisalabad 2021, BISE Gujranwala 2016, BISE Bahawalpur

**Q7. Define medicinal drugs. Describe the different principle usage of important medicinal drugs.**

2020, BISE Sargodha 2015, BISE Faisalabad 2020, BISE D.G Khan

**Q8. What point should we kept in mind during the use of medicine?**

2015, BISE D.G Khan



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