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ZIET, CHANDIGARH
REVISION PAPER, SET- II
UNIT- VIII

(Chapters: Human Health and Diseases, Microbes in Human Welfare)

Subject: Biology

Class: XII

TIME: 1:00 Hr.

Max. Marks: 20

Note: Question no. one to four is of 01 mark each, question no five and six is of 02 marks each, question number three is of 03 marks, question no five is a case study based and is of 04 marks and question number six is of 5 marks.

SN	Question	Marks						
1	Identify the disease with symptoms- lymphatic vessels of the lower limbs affected a- Filariasis b- Trichophyton c- Ascariasis d- Typhoid	1						
2	For large scale production of biotechnological products such as beverages and antibiotics can be carried out in - a- Fermenter b- Bioreactor c- Biogas plant d- Both a and b	1						
3	Reverse transcription is an essential part of which life cycle a- Malaria b- HIV- AIDS c- Tetanus d- Congenital cancer	1						
4	Caterpillar on brassica plant is controlled by- a- Trichoderma species b- Agrobacterium tumifaciens c- Nucleopolyhedral virus d- Bacillus thuringiensis	1						
5	In which part of the body of the host do the following events in the life cycle of Plasmodium vivax take place? Name both, the body parts and the host- i- Development of sporozoite ii- Asexual reproduction iii- Development of gametocyte iv- Fertilization	2						
6	The newly born baby has innate immunity which provides a certain amount of immunity. Explain any four ways by which it is accomplished.	2						
7	<div><div>i- BOD of two samples of water is 100 mg/ liter and 1000 mg/ liter. Which one is more polluted and why?</div><div>ii- Identify microorganism/product and write the correct name that should be on A, B, and C</div></div> <table><tr><td>A</td><td>Penicillin</td></tr><tr><td>Statin</td><td>B</td></tr><tr><td>C</td><td>Cyclosporin</td></tr></table>	A	Penicillin	Statin	B	C	Cyclosporin	3
A	Penicillin							
Statin	B							
C	Cyclosporin							

8	<p>Cancer refers to any one of a large number of diseases characterized by the development of abnormal cells that divide uncontrollably and have the ability to infiltrate and destroy normal body tissue. Cancer often has the ability to spread throughout your body. Cancer is the second-leading cause of death in the world. Cancer may be benign and metastasis type. In the given diagram various types of cancer are presented. The main cause of cancer are-</p> <p>Physical factors – Ionizing radiation, such as X-rays and gamma rays</p> <p>Chemical factors – Such as tobacco and smoke</p> <p>Biological factors – Viral oncogenes, proto-oncogenes, and cellular oncogenes.</p> <div> </div> <p>i- Which property of cells prevents the cancerous growth in neighboring cells-</p> <p>a- Contact inhibition</p> <p>b- Metastasis</p> <p>c- Carcinoma</p> <p>d- All of these</p> <p>ii- Which of the following is related to the detection of cancer-</p> <p>a- MRI</p> <p>b- CT Scan</p> <p>c- Biopsy</p> <p>d- All of these</p> <p>iii- Interferons are</p> <p>a- Glycoprotein</p> <p>b- Lipoprotein</p> <p>c- Carboxypeptidase</p> <p>d- Immunoglobulin</p> <p>iv- Assertion: Metastasis is the spreading of disease through the blood throughout the body. Reason: Metastasis is a lethal form of cancer.</p> <p>a- Both assertion and reason are correct and the reason is the correct explanation of assertion.</p> <p>b- Both assertion and reason are correct and the reason is not a correct explanation of assertion.</p> <p>c-Assertion is true but the reason is false.</p> <p>d- Assertion is false but the reason is true</p>	4
9	<p>i- Govt advises sowing legume crops in an alternate manner on yearly basis. How this practice will be useful for farmers?</p> <p>ii- Why bottled juice of orange available in the market is more clearer than juice prepared in homes?</p> <p>iii- Write two ways ways achieve the target of IPM (Integrated pest management).</p>	5