

MT

2018 ___ ___ 1100

Seat No.

--	--	--	--	--	--	--	--

MT - SCIENCE & TECHNOLOGY -II (72) - SEMI PRELIM - I : PAPER - 5

Time : 2 Hours

(Pages 3)

Max. Marks : 40

Note :

- (i) All questions are compulsory.
- (ii) All questions carry equal marks.
- (iii) Draw neat and labelled diagrams wherever necessary.

Q.1. (A) Fill in the blanks : 3

- (1) Phenol oxidizing bacteria decompose the chemicals present in sewage.
- (2) BT cotton and BT brinjal are developed by using gene isolated from
- (3) Alcohol consumption mainly affects system.

Q.1. (B) Complete the corelation : 2

- (1) Insulin : Diabetes : : Interleukin :
- (2) Yoghurt : Lactobacilli delbrueckii :: coffee :

Q.1. (C) Choose the correct alternative and rewrite the statement : 5

- (1) Very hard cheese is formed after ripening for 12 - 18 months.
 - (a) mozzarella
 - (b) cheddar
 - (c) parmesan
 - (d) cottage
- (2) Substance prepared by using yeast is
 - (a) bread
 - (b) honey
 - (c) butter
 - (d) yoghurt

- (3) Interferon is a group of small sized protein molecule used in treatment of disease.
- (a) cancer (b) diabetes
(c) anemia (d) viral
- (4) Adulsa is taken to cure
- (a) cough (b) fever
(c) dysentery (d) vomiting
- (5) Each nuclear fission of uranium nucleus release energy.
- (a) 20 MeV (b) 236 MeV
(c) 237 MeV (d) 200 MeV

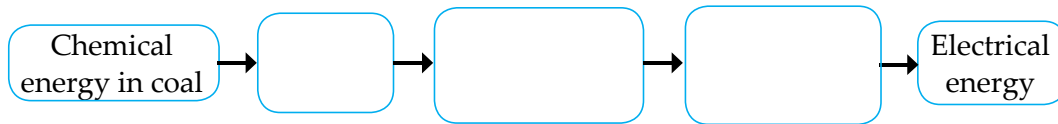
Q.2. Answer the following questions : (Any Five)**10**

- (1) Enlist different microbes and their role in production of beverages.
- (2) Give reason : Enzymes obtained by microbial process are mixed with detergents.
- (3) State the uses of stem cells.
- (4) Distinguish between:
Pre-disaster management and Post-disaster management
- (5) Write the symptoms, effects and remedial measures of floods.
- (6) Give Reason : Hydroelectric energy, Solar energy and Wind energy are called renewable energies.

Q.3. Answer the following questions : (Any Five)**15**

- (1) Write a note on land filling sites.
- (2) What is role of microbes in compost production?
- (3) Write a note on organ and body donation.
- (4) What will you do and why if your brother studying in XII has developed stress?
- (5) Explain the role of district disaster control unit after occurrence of any disaster.

- (6) Complete the following step by step Energy Conversion in thermal power plant.



Q.4. Answer the following questions : (Any One)

5

- (1) Describe Disaster Management authority.
- (2) Write a comparative note on usefulness and harmfulness of biotechnology.

Best Of Luck 🍀