## 22232 3 Hours / 70 Marks

Seat No.

Instructions:

- (1) All Questions are *compulsory*.
- (2) Answer each next main Question on a new page.
- (3) Illustrate your answers with neat sketches wherever necessary.
- (4) Figures to the right indicate full marks.
- (5) Assume suitable data, if necessary.

Marks

## 1. Attempt any FIVE of the following:

10

- (a) Define Autoclave.
- (b) State advantages of Solar Energy system.
- (c) Define Plasma Pyrolysis technology.
- (d) List any four non-conventional energy sources.
- (e) Enlist sources of biomedical waste.
- (f) State any two effects of medical waste on environment.
- (g) Draw flow chart of biomedical waste management process.

## 2. Attempt any THREE of the following:

12

- (a) Explain need of biomedical waste management system in hospitals.
- (b) Explain wind turbine using suitable diagram.
- (c) Enlist disadvantages of conventional energy sources.
- (d) State the features of Electricity Act, 2003.



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[2 of 2]

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	remedies for pathological waste in hospitals.	
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	guidelines given by WHO for health care waste management.	
Explain li	mitations of wind power generation.	
tempt any T	WO of the following :	12
Describe 1	microwave irradiation process used in biomedical waste treatment.	
Give class	sification of Biomedical waste and explain it in detail.	
Describe t	the present scenario of energy in Maharashtra.	
tempt any T	WO of the following :	12
Explain:	(i) Digital Tachometer	
	(ii) Lux meter	
Describe o	different types of solar collectors.	
Explain sa	Explain safety & precautionary measures to be taken during handling of waste	
in hospita	ls.	
	Describe de Explain se de Explain se describe de Explain se describe de Descri	Give classification of Biomedical waste and explain it in detail.  Describe the present scenario of energy in Maharashtra.  tempt any TWO of the following:  Explain: (i) Digital Tachometer  (ii) Lux meter  Describe different types of solar collectors.