Name :	
Roll No. :	(A Alama Wanning and Explored
Invigilator's Signature :	

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2011

ADVANCED ENGINEERING

Time Allotted : 3 Hours

Full Marks: 70

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words

as far as practicable.

GROUP - A

(Multiple Choice Type Questions)

- 1. Choose the correct alternatives for the following : $10 \times 1 = 10$
 - i) the convection oven can be electric or
 - a) gas
 - b) air
 - c) liquid.
 - ii) The coffee urn includes a vented water tank heated by electricity, gas or
 - a) heat
 - b) steam
 - c) fire.

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- iii) Food preparation equipment may include cutters, slicers and vegetable peelers.
 - a) extinguishers
 - b) refrigerators
 - c) mixers.
- iv) Carbon dioxide or dry chemical acts as fire suppression agent for
 - a) Class A
 - b) Class B
 - c) both Class *A* and Class *B*.
- v) The glass windows manufactured with three layers of glass with sealed spaces in between and the spaces between outer and central glass filled with argon gas are called
 - a) heat mirror windows b) super glass windows
 - c) super smart windows d) none of these.
- vi) Smoke alarm uses a small amount of material that ionizes the air in the smoke sensing chamber contained in the detector. The material is
 - a) thermo electric b) radioactive
 - c) pressurized air d) heat conducting.
- vii) Permanent water hardness is removed by adding in water.
 - a) lime
 - b) sodium carbonate
 - c) calcium sulphate
 - d) magnesium bicarbonate.

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viii) In the microwave oven heat is generated within the food and the oven remains cool.

- a) True b) False
- ix) In the swimming pool, soils, leaves, insects and debris are collected and removed by an arrangement of
 - a) spool sweeps b) vacuum cleaner
 - c) weir d) chemical treatment.
- x) For high quantity and small head, pumps to be used are
 - a) centrifugal pump
 - b) multistage turbine pumps
 - c) reciprocating pumps.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- 2. Give the laundering cycle for no-iron linens which are medium or lightly soiled sheets, pillow cases and towels.
- 3. Write short notes on Traps and Vents.
- 4. Write short note on Jet Pump.
- 5. Write short notes on Parking and Walks.
- 6. What is acid rain ?

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- 7. What are the different types of fire extinguishers and their respective uses.
- 8. Briefly explain the various types of private sewage disposal systems.

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- 9. Explain the factors causing air-pollution in a hotel and measures to check air pollution.
- 10. Briefly explain the various water distribution systems used in hospitality industry.
- 11. Discuss in detail the security system to be adopted in a hotel.
- 12. With the help of a layout of general space for laundry installation briefly explain the laundering process.

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