



Name :
Roll No. :
Invigilator's Signature :

CS/BHM(OLD)/SEM-6/HM-608/2012

2012

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.

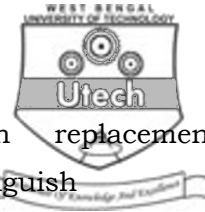
GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) A device that accepts raw waste and by use of hydraulic rams and plungers reduces the volume of raw materials is called
 - a) pulping machine
 - b) incinerator
 - c) compactor
 - d) thrash chute.
- ii) The R8 insulating value window which has two heat mirror films suspended and sealed between two panes of glass and all spaces between the panes are filled with gas is made of
 - a) double pane glass
 - b) super glass
 - c) super smart glass
 - d) triple pane glass.



- iii) A fire extinguisher using halon replacement extinguishing agent can be used to extinguish
- a) A type of fire b) B type of fibre
c) C type of fire d) A, B & C types of fire.
- iv) Manometric head of a centrifugal pump is equal to
- a) suction head + delivery head
b) friction head loss in suction pipe + friction head loss in delivery pipe
c) velocity energy in the delivery pipe
d) none of these.
- v) A parameter that indicates whether or to what extent water is acidic or basic is known as
- a) COD b) BOD
c) DO d) pH.
- vi) A soil pipe can handle any building drainage which includes
- a) water mixed with earth soil
b) any drainage including human excreta
c) any drainage without human excreta
d) none of these.
- vii) The devices which are used to stop the escape of foul gases inside or outside house from a sewage line are
- a) sewage ejector b) vent
c) trap d) both (b) and (c).
- viii) Secondary waste treatment is concerned with biological treatment.
- a) True b) False.

CS/BHM(OLD)/SEM-6/HM-608/2012



8. What factors you will consider for the security system to be adopted in a five star deluxe hotel ?
9. Write short notes on any *two* of the following : 2 × 7½
 - a) Types of roofing and their maintenance
 - b) Swimming pool maintenance
 - c) Signage and objective of signage design.
10. Explain causes, effects and remedies against air pollution.
11. Discuss the economic factors in selecting a laundry alternative. Draw a layout of general space for laundry installation.
12. What are the different types of portable fire extinguishers ? State their functions and applicability.

=====