## COPYRIGHT RESERVED

BCA(III) - 301 268863

2019

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

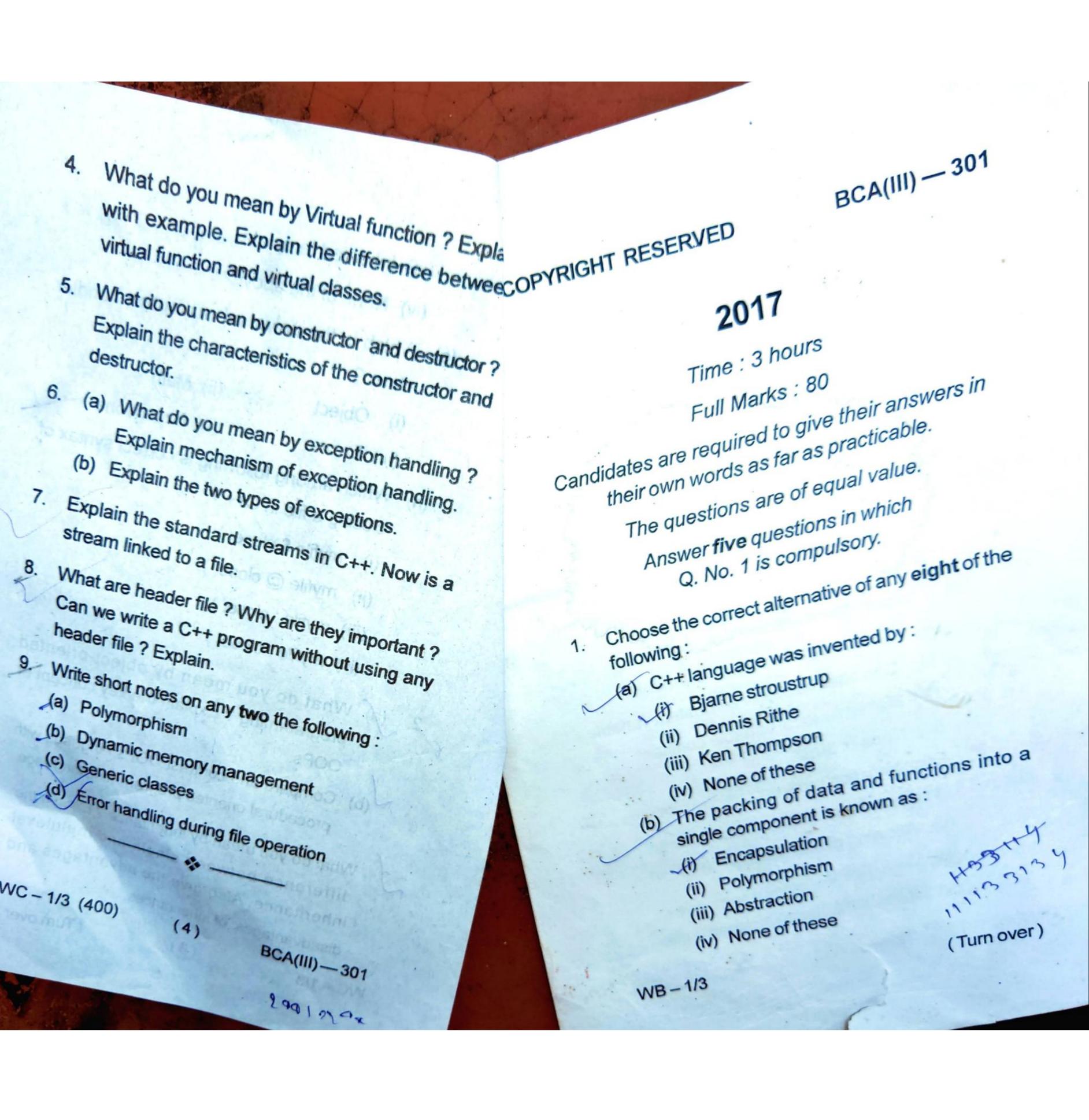
Answer five questions in which Q. No. 1 is compulsory.

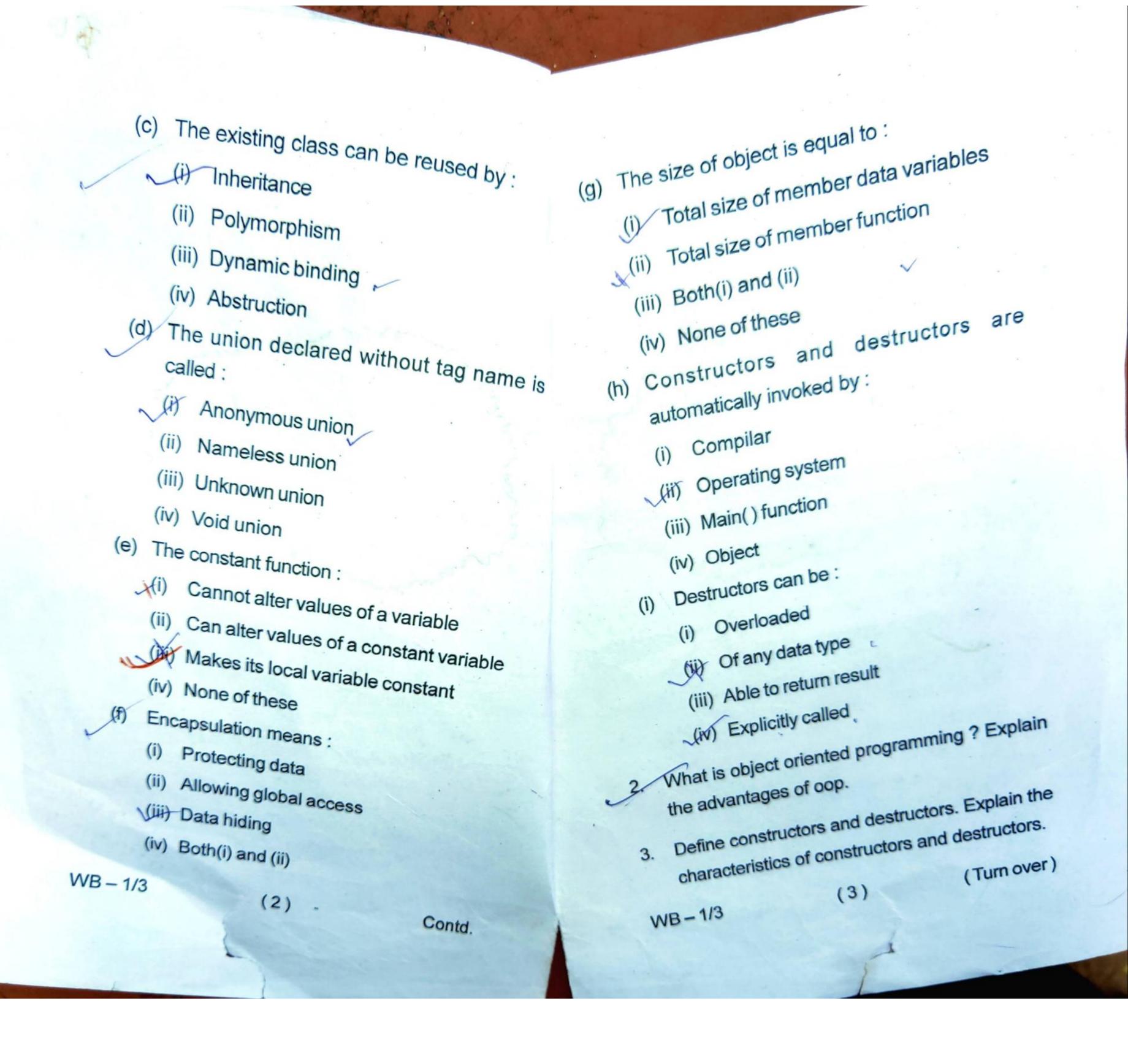
- Choose the correct alternative of the following:
  - (a) The operator which compares two value IS: Which type of function amon
    - - Assignment (ii) Relational
    - (iii) Unary
- (iv) Equal
- In which of the following we can not overload the function?
  - Return function
  - Caller
  - (iii) Called function
  - (iv) None of the above

WC - 1/3

(Tum over)

(c) Constructors are normally used to allocate memory and :	. The sentence of the only by the part of the only of
memory and : "Torrially used to alloc	(iii) Inherited template
(i) Define variable	cabo above
(ii) Allocate variable	(g) Which is the universal exception handler
(iii) Initilize variable	class?
(iv) Initialize object	(i) Object (iv) Exceptions
(d) A derived class with only one base class is	(iii) Errors  (h) Which among following is correct syntax of
(ii) Single inheritance	closing a file in C++ :
(") Multiple inheritance	(i) myfile \$ close();
("") Multilevel inheritan	(ii) myfile @ close();
nierarchial :	(iii) myfile : close(); (iv) myfile . close();
(e) Which type of function among the following shows polymorphism?	by object-officing
'' Inline function	2. (a) What do you mean by object of programming? Explain the key concept of
Virtual function	OOPs. OOPs language with
(iii) Undefined function (iv) Class member function  (f) What among for	Jural Office F.
Old foll-	What do you mean by inheritance ? Explain willievel
(ii) Function template  (iii) Classic Following is a generic class?	difference between the advantages and
(ii) Class template VC - 1/3	disadvantages of inheritances.  (Turn over)
(2)	WC-1/3 (3)
Contd.	





- Discuss the rules for overloading operators.

  What are the difference between operator overloading and function overloading with suitable example.
- 5. What is meant by inheritance? Describe various types of inheritance with example.
- 6. What do you mean by Polymorphism? Explain compile and runtime Polymorphism with suitable example.
- What do you understand by exception handling?

  Describe the role of keyword try catch, and throw in exception handling with example.
  - What is the concept of stream in C++?
     Describe the error handling during file operators.
     Give suitable example.
  - What is difference between class and struct?
     Explain friend function and friend classes with suitable example.



WB - 1/3 (400)

(4)

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## Blame stroughtup 2017

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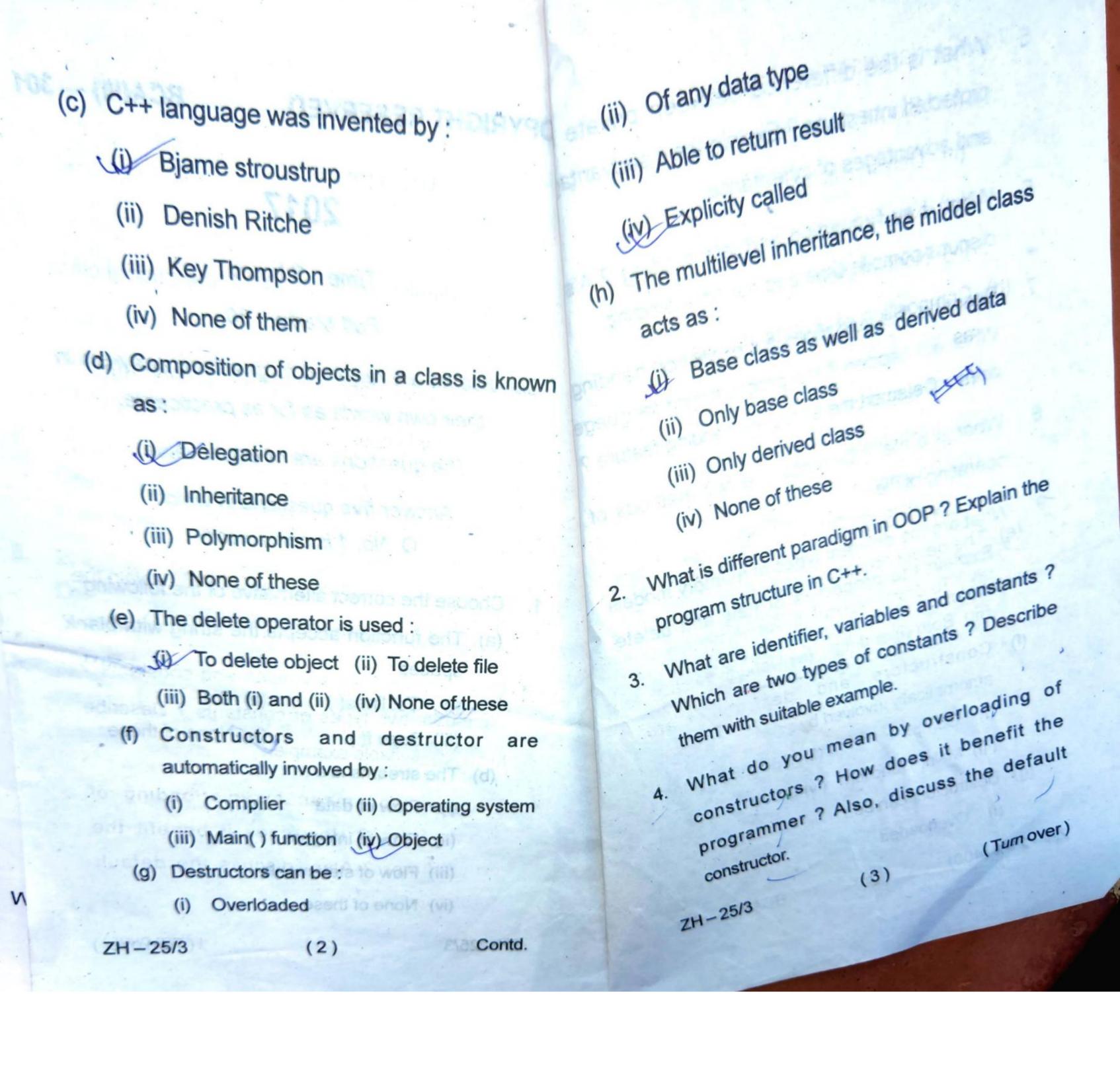
Answer five questions in which Q. No. 1 is compulsory.

- Choose the correct alternative of the following:
  - (a) The function accepts the string with blank spaces:
    - Get lines() (ii) Cin

      - (iii) Scan f() (iv) None of these
  - The streams is a:
    - (i) Flow of data
      - (ii) Flow of integers
      - (iii) Flow of statements
      - (iv) None of these

ZH - 25/3

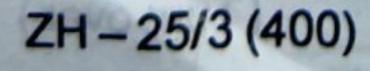
(Turn over)



- 5. What is the difference between private and protected inheritane? Explain the disadvantages and advantages of inheritance.
- 6. What is early binding and late binding? Also, discuss compile time and run time binding.
- 7. Describe the guidelines for exception handing.
  What will happen if the programming language
  does not support the exception handing feature?
- 8. What is a file? Describe the two methods of operating of file.
  - What are the different types of memory models
     Explain the properties of new and delete
     operators.

Complete the two two or constants.

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(4)

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