4008-06

Printed Pages: 8

Degree (Part-III) Examination, 2021

(Vocational)

## **COMPUTER APPLICATION**

[ PPU-D-III-(H)-BCA-6 ]

(Object Oriented Programming (C++ & Java) & Advance)

Time: Three Hours

Maximum Marks: 100

Note: Candidates are required to give their answers in their own words as far as practicable. The questions are of equal value. Answer any five questions. Question No. 1 is compulsory.

Choose the correct answer from the followings :

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(1)

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(b) A destructor takes argument ..... (i) One (ii) Two (iii) Three (iv) Zero Which type of inheritance is not supported by (c) Java? (i) Multi-Level Multiple (iii) Hierarchy (iv) Hybrid 4008-06/1740 (2)https://www.ppuponline.com

Friend function is defined

Outside class

Inside Class

Inside constructor

None of these

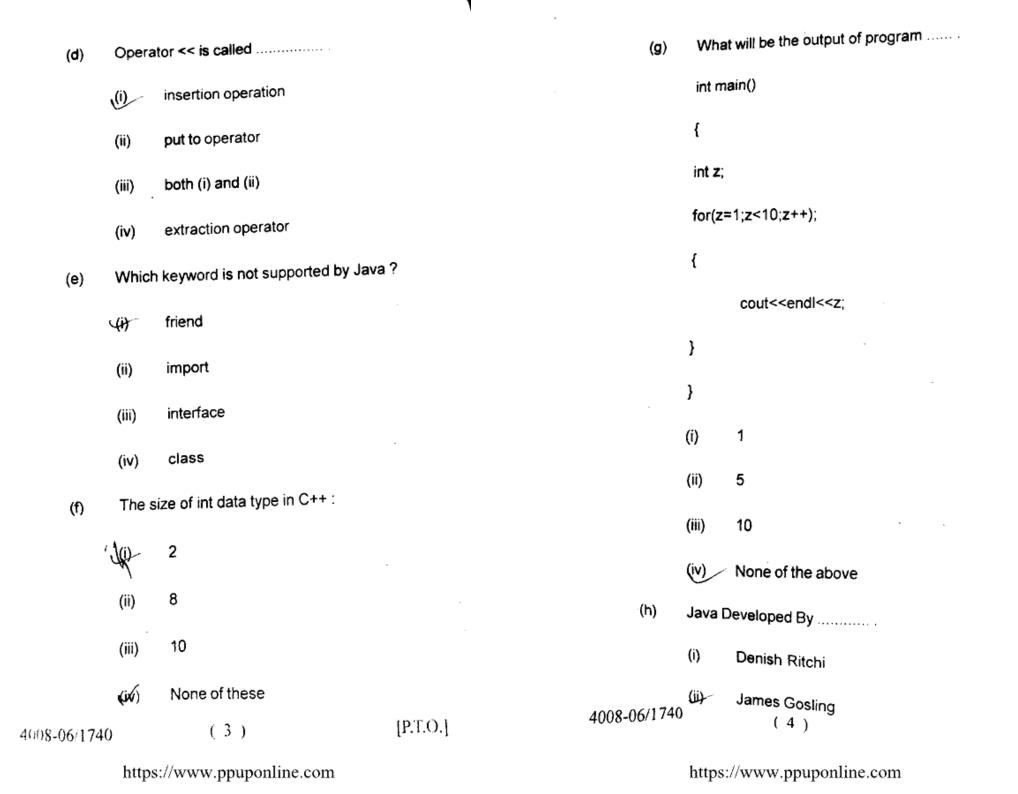
(a)

(ii)

(iii)

(iv)

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What is access control specifier? Explain with (iii) Bajarne Strustroup 3/(a) (iv) None of the above suitable example. What is Operator overloading ? Explain with (i) The manipulator endl is equivalent to ...... KD suitable example. س(ل) 'n Explain Friend Function with suitable example. (ii) ١ŧ Write Difference between C++ and JAVA. (iii) \p Discuss the advantage of OOPS. (a) 5. (iv) None of the above Explain "new" and "delete" keyword in C++. (b) (j) Which one is not supported by Java? Discuss data types in C++ with example. 6. (a) (i) Package What do you mean by passing object to function (b) (ii) Operator Overloading state with example. (iii) Interface What is virtual and pure virtual function in C++? 7 (a) Explain with example. (iv) Applet (p) Write a program in C++ using class and object -2. What is difference between procedural and object c (a) and take two number add them. oriented programming language. What is inheritance in Java? Discuss types of 8. inheritance in Java with suitable example? (b) Write difference between structure and class. 4008-06/1740 4008-06/1740 [P.T.O.] https://www.ppuponline.com https://www.ppuponline.com

- 9. (a) What is thread? Discuss life cycle of thread.
  - (b) What is Applet ? Discuss life cycle of Applet.
- 10. Write short notes on the followings:
  - (a) Interface in Java
  - (b) Package in Java
  - (c) Exception Handling in Java
  - (d) Artificial Intelligence

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