2017 at the IIA (%)

(III) Vythdravel of ceek without stell

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.

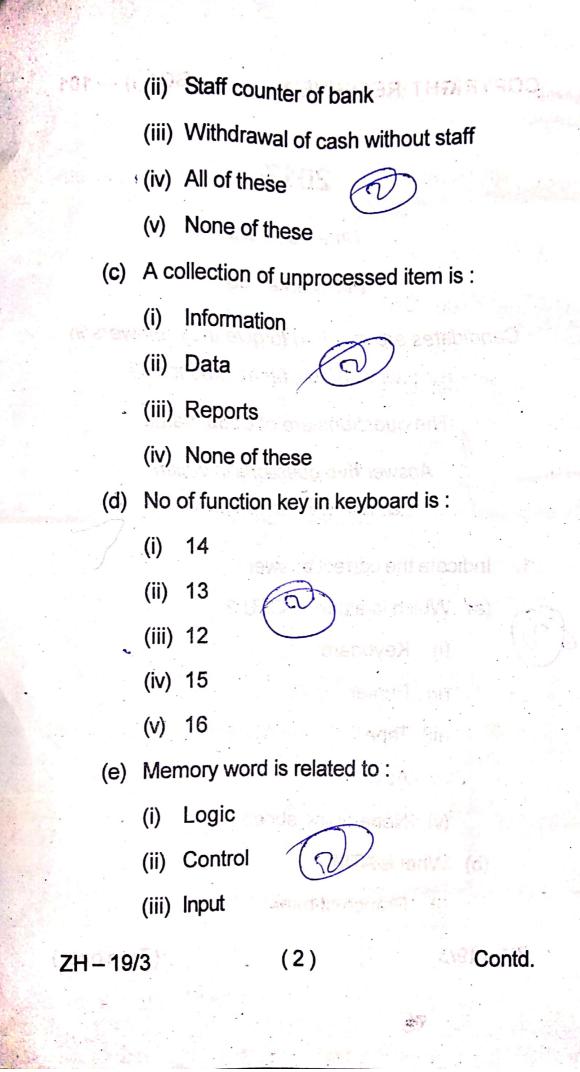
1. Indicate the correct answer:

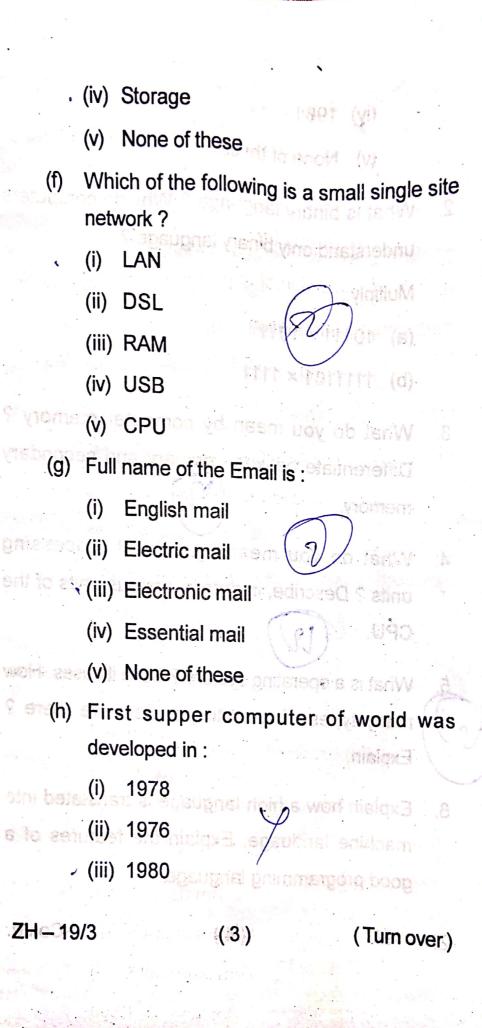


- (a) Which is a part of CPU?
  - (i) Keyboard
  - (ii) Printer
  - (iii) Tape
  - (iv) ALU
    - (v) None of the above
- (b) What is ATM?
  - (i) Branch of bank

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(Turn over)





- (iv) 1981
- (v) None of these
- What is binary language? Why do computers understand only binary language?
  Multiply:

Storage

- (a) 10111 × 1011
- (b) 1111101 × 1111
- 3. What do you mean by computer memory?

  Differentiate between primary and secondary memory.
- 4. What do you mean by control processing units? Describe, in details, various units of the CPU.
- 5. What is a operating system? State its uses. How many types of operating system are there? Explain.
  - 6. Explain how a high language is translated into machine language. Explain the features of a good programming language.

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(4)

Contd.

- 7. With the help of a block diagram, explain various network topologies present in a computer networks.

  Explain the need of computer communications network internet and world wide web.
- 8. Discuss the various computer generations along with the key characteristics of computers of each generation. Also, give example of computers belonging to each generation.
- 9. Differentiate:
  - (a) Input and output devices
  - (b) Mini and super computer
  - (c) MAN, WAN and LAN
  - (d) Computer software and computer hardware