

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

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B.C.A. (Part-III) Examination, 2023

INTERNET OF THINGS

Paper - BCA-305 (B)

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **4** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) Define IOT.
- (ii) What are the different components of IOT ?
- (iii) What are the three elements of SNMP ?
- (iv) What is NFV for IDT ?

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- (v) Write the names of different layers of IOT.
- (vi) What is Django in IOT ?
- (vii) What are five applications of IOT ?
- (viii) What is Yarn useful for ?
- (ix) What is Raspberry PI ?
- (x) What do you mean by M2M in IOT ?

Section-B

2. Explain the characteristics of IOT.

Or

Write any *five* advantages of IOT.

3. Write a short note on WAMP.

Or

Write a short note on Django.

4. Describe the logical design of IOT.

Or

Draw neat and labelled architecture of IOT.

5. Differentiate between SDN and NFV.

Or

What is difference between WAMP and XAMPP ?

6. What is Map Reduce Programming Model ?

Or

What is Apache Hadoop ?

Section-C

7. What is IOT ? Describe in detail about IOT system management.
8. Explain M2M IOT standardized architecture.
9. Describe Apache Oozie uses. What are two parts of Oozie ?
10. What is SkyNet ? Explain SkyNet IOT platform.
11. Explain the layered IOT protocols architecture.