

Roll No :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BC-404

B.C.A. (Part-III) Examination, 2021

INTERNET OF THINGS

Paper - BCA-305(B)

Time : 1½ Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

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

(खण्ड-अ)

(अंक : 2 × 10 = 20)

नोट :- सभी **दस** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **50** शब्द)। प्रत्येक प्रश्न **2** अंक का है।

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.

(खण्ड-ब)

(अंक : 4 × 5 = 20)

नोट :- सभी **पाँच** प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा **200** शब्द)। प्रत्येक प्रश्न **4** अंक का है।

Section-C

(Marks : 10 × 3 = 30)

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

(खण्ड-स)

(अंक : 10 × 3 = 30)

नोट :- पाँच में से किन्हीं **तीन** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **500** शब्द)। प्रत्येक प्रश्न **10** अंक का है।

BI-74

(1)

BC-404 P.T.O.

Section–A

2 each

1. Attempt all questions. Answer should not exceed **50** words in each question :
- (i) Define XMPP.
 - (ii) What is M2M ?
 - (iii) What is IOT System Management ?
 - (iv) Define YANG.
 - (v) What is IOT Device ?
 - (vi) What is DJANGO ?
 - (vii) What is Hadoop Yorn ?
 - (viii) Define Apache Storm.
 - (ix) What is Puppet ?
 - (x) What is CHEF ?

Section–B

4 each

Answer all questions. Answer should not exceed **200** words in each question.

2. What is IOT ? Explain the types of IOT.

Or

What are the differences between SDN and NFV ?

3. What is SNMP ? Elaborate it.

Or

What are the logic designs in IOT ? Explain it.

4. How is Raspberry PI different from a desktop computer ?

Or

What is SKYNET ? Explain what does it mean ?

5. Explain Apache Oozie.

Or

What is Building block in IOT ?

6. Explain IOT code generation.

Or

State the benefits of Puppet in brief.

Section–C

10 each

Attempt any *three* questions out of five. Answer should not exceed **500** words in each question.

7. Define characteristics and architecture of IOT.

8. Explain the methodology design of IOT platform.

9. What protocols does the skynet messaging platform support ?

10. Explain the MapReduce programming model.

11. Explain managing smart irrigation IOT system with NETCONF.YANG.