

Roll No :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

SP-702

M.Sc. (Final) Examination, 2021

COMPUTER SCIENCE

Paper - MCS-204 (C)

(Android Programming)

Time : 1½ Hours]

[Maximum Marks : 50

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 : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit 200 words). Each question carries 3 marks.

(खण्ड-ब)

(अंक : 3 × 5 = 15)

नोट :- सभी पाँच प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा 200 शब्द)। प्रत्येक प्रश्न 3 अंक का है।

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit 500 words). Each question carries 5 marks.

(खण्ड-स)

(अंक : 5 × 3 = 15)

नोट :- पाँच में से किन्हीं तीन प्रश्नों के उत्तर दीजिए (उत्तर-सीमा 500 शब्द)। प्रत्येक प्रश्न 5 अंक का है।

BI-343

(1)

SP-702 P.T.O.

Section–A

2 each

1. Attempt all questions :
 - (i) What is R. Java ?
 - (ii) Explain Android Activity.
 - (iii) What is JVM ?
 - (iv) Explain about Android Editors.
 - (v) What is Intents ?
 - (vi) What is Android Widgets ?
 - (vii) Explain Context Menu.
 - (viii) Explain the Role of GPS.
 - (ix) Explain about Android Notifications.
 - (x) How to use SD-cards ?

Section–B

3 each

2. Explain the following :
 - (i) Exception Handling
 - (ii) Interfaces

Or

What do you understand about Android ? How to setting up Android Development Environment ?

3. Explain Android Activity Life-Cycle.

Or

Explain the following with example :

- (i) Drawable Resources
 - (ii) Layouts
4. How to Add menu in Android Activity ? Explain with example.

Or

Explain with example SQLite Database.

5. Explain ArrayAdapter and BaseAdapters.

Or

Explain ListView and ListActivity.

6. Explain the following :

(i) Toast

(ii) Broadcast receivers

Or

How to Accessing Phone Services : Call, SMS and MMS ?

Section-C

5 each

7. Explain Java multithreading with example.

8. Explain with source code : AndroidManifest.xml file.

9. How to use gridview using adapters.

10. Write the source code for :

(i) Option Menu

(ii) Context Menu

(iii) Sub Menu

11. Explain the following :

(i) Maps

(ii) Location based services

(iii) JSON parsing

(iv) XML parsing