

Total No. of Printed Pages:1

SUBJECT CODE NO:- C-3102
FACULTY OF MANAGEMENT
B.C.A. S.Y. Sem IV Examination March/April 2018
Java Programming - XXII

[Max. Marks: 30]

[Time: Two Hours]

Please check whether you have got the right question paper.

N.B

1. Q.No.1 is compulsory.
2. Attempt any three questions from Q.No.2 to Q.No.6.

Q.1 What are the features of Java?

06

Q.2 Define operator. Explain the different operators used in Java.

08

Q.3 Describe the various branching statements used in Java.

08

Q.4 What is an array? How is it declared and initialized? Explain.

08

Q.5 Write a program in Java to find the factorial of given number.

08

Q.6 Write short note on:

a) Methods

04

b) Command line argument

04

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SUBJECT CODE NO:- D-4111
FACULTY OF SCIENCE AND TECHNOLOGY
BCA (Science) S.Y.(Sem- IV) Examination OCT/NOV 2019
Core Java - CA404-T

[Max.Marks:50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

Q.1 Fill in the blanks.

- 1) Java programming language developed by -----
- 2) ----- is a compile time polymorphism
- 3) Boolean datatype carries ----- value.
- 4) ----- keyword is used to create object.
- 5) Ternary operator declared in Java with ----- symbol.
- 6) ----- loop is a exit controlled loop.
- 7) ----- is a type of polymorphism which occurs only in Inheritance.
- 8) To use interface in class structure ----- keyword is used.
- 9) && is a ----- type of operator.
- 10) Byte code in Java has extension -----

Q.2

- a) Explain difference between Java & C++
- b) Define Datatype. Explain types of Datatypes.

05

05

OR

- a) Explain history & features of Java programming.

10

Q.3

- a) Explain working of Command line Arguments.
- b) Explain Abstract class & methods.

05

05

OR

- a) Define string. Explain various methods of string class.

10

Q.4

- a) Define package. Explain Java API package.
- b) Explain Thread life cycle.

05

05

OR

- a) Write a java program to demonstrate thread methods.

10

Q.5

Write short notes on (any two)

10

- 1) Java & WWW
- 2) Vectors
- 3) Runnable Interface

Total No. of Printed Pages: 2

SUBJECT CODE NO.: D-4105

FACULTY OF SCIENCE AND TECHNOLOGY

BCA (Science) S.Y.(Sem- IV) Examination OCT/NOV 2019

Mobile Maintenance-II / Advance Mobile Repairing-II CA402-F

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

- N.B
i. All questions carry equal marks.
ii. All questions are compulsory.

[Max.Marks:50]

Q.1

a) Fill in the blanks:

- 1) The PFO in the N/W section means _____.
- 2) Analog multi meter of digital electronics measures _____ resistors.
- 3) _____ is an electric current which periodically reverses direction, in contrast to direct current (DC) which flows only in one direction.
- 4) _____ wire is used for the purpose of soldering.
- 5) _____ processor is generally used in mobile phones.

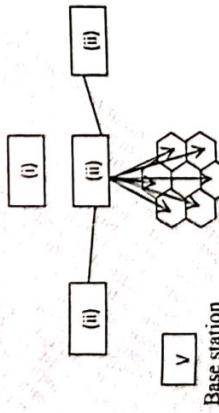
05

b) Multiple Choice Questions:

- 1) Which of the following statement is true about spread spectrum?
 - a) It uses a narrow band frequency.
 - b) Spread spectrum allocation disjoint resources (frequency or time slots depending on the access system) to each other
 - c) Spread spectrum signals can be picked up by simple receivers.
 - d) Spread spectrum signals are hard to jam and identify.

05

- 2) The diagram below shows the hierarchical structure of the cellular network.



What is (i) and (ii)

- a) Mobile phone and mobile switching centre (MSC)
- b) Public switched telephone network (PSTN) and mobile switching centre (MSC)
- c) Mobile switching centre (MSC) and public switched telephone network (PSTN)
- d) None of the above

1

3) Which of the four cellular networks in the UK is the best and why?

- a) Mercury, because it offers good service within its covered area.
- b) Orange, because of its good "inside building coverage".
- c) Vodafone, because it uses GSM.
- d) Cell nut, because it offers a wider range of phone set.

4) A touch screen of mobile phone has ----- panel

- a) Pressure sensitive transparent
- b) Pressures on screen
- c) Screen panel
- d) Sensitive transparent

5) ----- introduced frequency modulation for mobile communication systems in 1935.

- a) Edwin Armstrong
- b) Albert Einstein
- c) Galileo Galilei
- d) David Bohm

Q.2 a) Explain in detail function and working of Bluetooth.

b) Explain D-soldering of microchip in mobile phone.

OR

a) Explain applications of mobile phone in detail.

b) Explain hot air gun.

b) Explain micro soldering iron.

a) Explain the process of chip component removing and replacing.

b) Explain power section and network section of PCB in mobile phone.

a) Explain different types of processor in mobile phone.

Q.3 a) Explain in detail hot air gun.

b) Explain micro soldering iron.

a) Explain the process of chip component removing and replacing.

b) Explain power section and network section of PCB in mobile phone.

a) Explain different types of processor in mobile phone.

Q.4 a) Explain power section and network section of PCB in mobile phone.

b) Explain CPU section in detail.

a) Explain the process of chip component removing and replacing.

b) Explain power section and network section of PCB in mobile phone.

a) Explain different types of processor in mobile phone.

Q.5 a) Track break and drive IC jumping

b) Cool testing in mobile phones

c) Working principle of mobile phones

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4108

FACULTY OF SCIENCE AND TECHNOLOGY
BCA (Science) S.Y.(Sem- IV) Examination OCT/NOV 2019

Software Project Management-CA403-T

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i) Attempt all question
- ii)Illustrate your answer with suitable labeled diagram.

[Max Marks:50]

Q.1 What are the technology to choose the appropriate project approach? Explain 20

What is Risk evaluation ? explain

OR

Q.2 Explain software prototyping in detail.

Write short note on (any 4)

OR

20

- a) Issues in strategic assessment
- b) Project characteristics
- c) Water fall model
- d) Software project versus other – types of project
- e) RAD model

Q.3 Multiple choice question.

1) A _____ is a specific plan or design .

- a) Process b) product c) project d) none

2) In stepwise project planning, the zero step deals with _____

- a) Select project b) define project c) identify project d) project authority

3) The _____ is also defined as a systematic process for calculating and comparing benefits and costs of a project:

- a) System analysis b) cost benefit analysis c) cash flow analysis d) None

4) _____ takes into account the project ability of a project and timing of the cash flows.

- a) Net present value b) internal rate of return
- c) Return on investment d) Accounting Rate of return

5) IRR stands for _____

- a) Internal rate of return b) intermediate rate of return
- c) individual rate of return d) None

10

- 6) The another name of water fall model is called -----
a) Classical b) general c) idea d) systematic
- 7) ----- is known as accounting rate of return (ARR).
a) NPV b) ROI c) Both a & C d) None
- 8) ----- costs relating to operations the system after installation.
a) Development b) setup c) operational d) none
- 9) In ----- step the identification of project scope and objectives.
a) 7 b) 5 c) 1 d) 0
- 10) The net project of a project is the difference between the total cast and total ----- over the life of project.
a) Expenses b) Income c) Risks d) All of above

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4105
FACULTY OF SCIENCE AND TECHNOLOGY
BCA (Science) S.Y.(Sem- IV) Examination OCT/NOV 2019
Mobile Maintenance-II / Advance Mobile Repairing-II CA402-T

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

- i. All questions carry equal marks.
- ii. All questions are compulsory.

Q.1

a) Fill in the blanks:

05

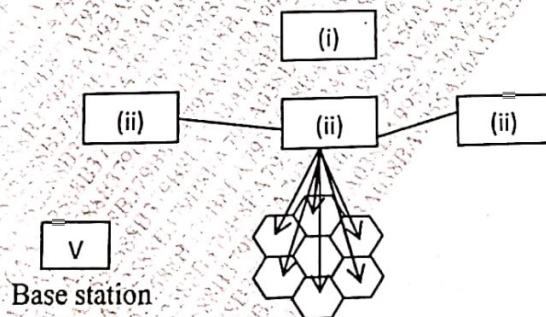
- 1) The PFO in the N/W section means _____ resistors.
- 2) Analog multi meter or digital electronics measures _____ resistors.
- 3) _____ is an electric current which periodically reverses direction, in contrast to direct current (DC) which flows only in one direction.
- 4) _____ wire is used for the purpose of soldering.
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b) Multiple Choice Questions:

05

- 1) Which of the following statement is true about spread spectrum?
 - a) It uses a narrow band frequency.
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Q.2	a) Explain in detail function and working of Bluetooth. b) Explain D-soldering of microchip in mobile phone.	05
	OR	
	a) Explain applications of mobile phone in detail.	10
Q.3	a) Explain in detail hot air gun. b) Explain micro soldering iron.	05
	OR	05
	a) Explain the process of chip component removing and replacing.	10
Q.4	a) Explain power section and network section of PCB in mobile phone. b) Explain CPU section in detail.	05
	OR	
	a) Explain different types of processor in mobile phone.	05
Q.5	Write short notes on: (any two)	10
	a) Track break and drive IC jumpering b) Cool testing in mobile phones c) Working principle of mobile phones	10

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SUBJECT CODE NO:- D-4108
FACULTY OF SCIENCE AND TECHNOLOGY
BCA (Science) S.Y.(Sem- IV) Examination OCT/NOV 2019
Software Project Management-CA403-T

[Time: 1:30 Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

- i) Attempt all question
- ii) Illustrate your answer with suitable labeled diagram.

Q.1	What are the technology to choose the appropriate project approach? Explain OR What is Risk evaluation ? explain	20
Q.2	Explain software prototyping in detail. OR Write short note on (any 4) a) Issues in strategic assessment b) Project characteristics c) Water fall model d) Software project versus other – types of project e) RAD model	20
Q.3	Multiple choice question 1) A ----- is a specific plan or design. a) Process b) product c) project d) none	10
	2) In stepwise project planning the zero step deals with ----- a) Select project b) define project c) identify project d) project authority	
	3) The ----- is also defined as a systematic process for calculating and comparing benefits and costs of a project . a) System analysis b) cost benefit analysis c) cash flow analysis d) None	
	4) ----- takes into account the project ability of a project and timing of the cash flows. a) Net present value b) internal rate of return c) Return on investment d) Accounting Rate of return	
	5) IRR stands for ----- a) Internal rate of return b) intermediate rate of return c) individual rate of return d) None	

Examination Oct/Nov 2019

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- 10) The net present value of a project is the difference between the total cash inflow and total ----- over the life of project.
a) Expenses b) Income c) Risks d) All of above