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Odd Semester Examination 2017-18

BCA – Vth Semester

Subject Code: BCA502

Java Programming

[Time: 03:00 Hrs.]

[Maximum Marks: 70]

Q7. (a) What is Event handling and its types in Java? Explain.
Write the program for displaying the MessageDialogBox with
“Hello BCA 5th” message after clicking on the button. (7 Marks)

(b) Define packages in Java? Why Packages is required? Explain.
How can you create and use your packages in java? Explain with
appropriate example. (7 Marks)

(4)

NOTE: Attempt all three sections.

SECTION – ‘A’

NOTE: Attempt all parts of the following question. (14 Marks)

Q. 1. Answer the following questions: (1x7 = 7 Marks)

- (i) Give the name of parent package and parent class in Java.
- (ii) By which keyword an interface can be inherits by another interface.
- (iii) List the name of class/classes where you can find the following methods
 - a) equalsIgnoreCase()
 - b) nextDouble().
 - (iv) List any three IDE used for Java programming.
 - (v) Difference between URL and Open URL.
 - (vi) List the name of the package where you can find the classes

such as:

- a)FileWriter
- b)Scanner
- c)JPanel

(vii) Define SHTTP in short.

Q2. Answer the following questions: (1x7 = 7 Marks)

- i) Give the full form of SLIP?
- ii) Clarify the role of TCP & IP in any network like Internet.
- iii) Difference between text editor and IDE
- iv) Define Internet Protocol (IP).
- v) Write the syntax of creating the object of class MyJava.
- vi) When super keyword is used?
- vii) Give the difference between sleep() and isAlive() methods.

SECTION – ‘B’

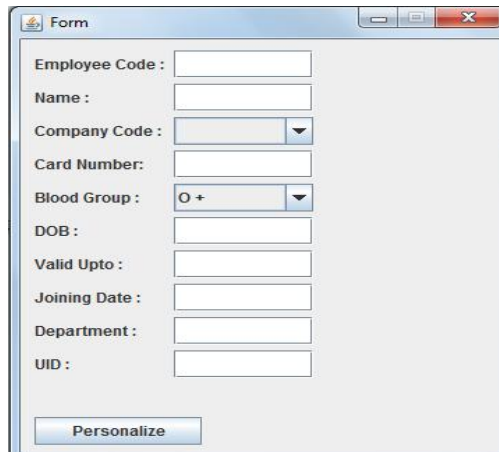
NOTE: Attempt the following question. (7x2x 2= 28)

Q3. (i)(a) What is protocol? How we can connect with the Internet? Explain with examples [7]

OR

(b) What do you understand by String in java? Why String handling is needed? Explain with appropriate example [7]

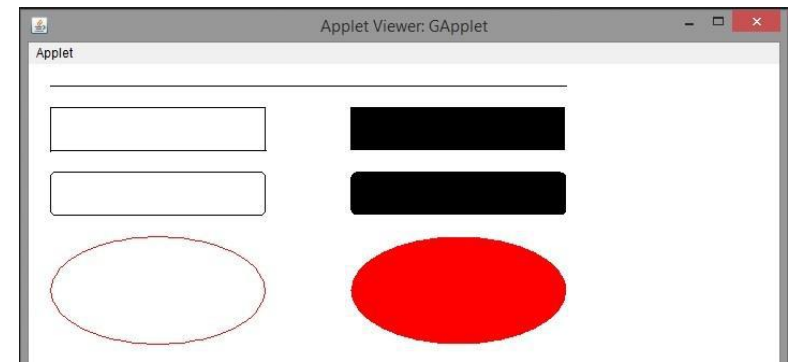
(ii) (a) Write the program for creating employee registration form (design only) in Swing. [7]



OR

b) Write the program for drawing the following shapes by using Applet [7]

2. Continue...



Q. 4 (i)(a) What is a constructor ? Write a Java program to explain how super class constructors are called in their subclasses. [7]

OR

(b) Define the concepts of OOPS. Write the program for polymorphism. [7]

(ii) (a) What is Exceptions? What is the difference between a checked and an unchecked exception? Explain with example. [7]

OR

(b) What is Multi-Threading? Explain the advantages of multithread programs. Write a program in Java to explain how different priorities can be assigned to different threads. [7]

SECTION – ‘C’

NOTE: Attempt any two of the following question. (14 X 2= 28)

Q5. What do you understand by JDBC and its drivers? What are the steps to connect with the database? Write the program in Java Swing to fetch the employee record (emp_name, emp_address, emp_id (primary key), emp_email and emp_phone) from the table employee and display them on to the JFrame. The fetching should be based on the field emp_id which should be considered as a primary key of the table.

Q6. Explain the following and write the program for creating them.

- 1) JTabbedPane
- 2) JComboBox
- 3) JApplet

(3) Continue...

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Even Semester Examination 2017-18

B.Com (H) Sem- (IV)

Subject Code: BCM 401

Subject name: Indirect Tax

[Time: 03:00 Hrs.]

[Maximum Marks: 70]

NOTE: Attempt all three sections.

SECTION – ‘A’

NOTE: Attempt all parts of the following question. (14 X 1=14 Marks)

Q1: Fill in the blanks

- (i) Central Excise duty Act
- (ii) Central Excise tariff Act
- (iii) CBDT stands for
- (iv) CBEC stands for
- (v) Custom Act
- (vi) Sale of goods Act
- (vii) Finance Act

Q.2. State whether the following statement are true or false

- (i) Services provided from the state of jammu and Kashmir are not taxable
- (ii) CENVAT credit is not available on capital goods
- (iii) E-filing of service tax return is mandatory for all the assesses
- (iv) VAT applies for interstate sale
- (v) Point of taxation rules was passed in 2012
- (vi) Service tax is computed on gross amount charged
- (vii) Service tax do not apply to sale of goods

SECTION – ‘B’

NOTE: Attempt all questions.

(7x2x2 = 28 Marks)

Q.3(i)(a) Discuss the provisions regarding for central excise

OR

(b) Discuss different type of assessment under service tax.

(ii)(a) What are the salient feature of CENTVAT scheme 2004? Discuss

OR

(b) What are the difference between Sales tax System and VAT?

Q.4 (i)(a) what is the goods and service tax? Explain

OR

(b) Advocate R is practicing in Kanpur. Compute his value of taxable services and service tax liability from the following

1) Consultancy fee charged from D of Kanpur Rs. 10,00,000 appearing in case in Delhi

2) Consultancy fee charged from E of Delhi Rs. 6,00,000 appearing in case in Delhi

3) Consultancy fee charged from D of Jammu Rs. 5, 00,000 appearing in case in Delhi

4) Consultancy fee charged from A of Jammu Rs. 10, 00,000 appearing in case in Jammu

5) Consultancy fee charged from D of Kanpur Rs. 8, 60,000 (Net After deducting service tax 14%) appearing in case in Delhi

(ii)(a) discuss briefly the various type of assessments under VAT.

OR

(b) Bajaj auto engaged in the manufacture of motor bikes. From the following

(2)

SECTION – ‘C’

NOTE: Attempt all questions.

(14x2=28 Marks)

Q5 (a) What do you mean by service tax? Discuss briefly important statutory provision regarding service tax

OR

(b) What do you mean by Custom duty? What are the objective of levying custom duty in India?

Q.6 (a) state the provision of the customs act 1962 relating to licensing of private warehouses

OR

(b) Manufacturer A sales goods to whole seller B who sales goods to retailer C from the following information computation VAT payable by All three methods

	A	B	C
Purchase Raw material	30000	30000	40000
Rent	3000	4000	5000
Wage	2000	3000	4000
Interest	4000	3000	2000
Sales	50000	60000	70000

VAT rate is 12.5%

(3)

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Even Semester Examination 2018-19

B.Com (R) – VI Semester

Subject Code: (BCR-605)

ESSENTIAL OF E-COMMERCE

[Time: 03:00 Hrs.]

[Maximum Marks: 70]

NOTE: Attempt all three sections.

SECTION – ‘A’

NOTE: Attempt all parts of the following question. (14 Marks)

1. Explain the following: (2x7 = 14 Marks)

- i.** Electronic data transfer
- ii.** Customer relationship management
- iii.** E-business
- iv.** Cyber crime
- v.** Online Auction
- vi.** Traditional commerce
- vii.** Business to customer model

2. Answer the following:

- i.** What is e-Mall?
- ii.** Explain e-broker.
- iii.** What is S-HTTP?
- iv.** Explain electronic fund transfer.

- v. What do you mean by SET?
- vi. What do you mean by post purchase services?
- vii. What do you mean by global market?

SECTION – ‘B’

NOTE: Attempt both questions. (7x2x2 = 28 Marks)

- Q. 3.i.** (a) What do you mean by online payment? Explain the advantages of online payment. Define any three Indian payment systems using suitable example. **(7 Marks)**

OR

- (b) Explain the term departmental store? Are departmental store facing problem currently? Explain the strategies used by tradition departmental store.

- ii.** (a) Explain following steps involved in consumers' shopping procedure on the internet.
1. Need Recognition
 2. Information Search
 3. Evaluation of Alternatives **(7Marks)**

OR

- (b) Explain the services provided by e-brokers. Explain the various factors that are necessary for the success of an e-broker.

- Q.4.i** (a) Differentiate between E-commerce and traditional commerce. Explain Business to Business e-commerce model with suitable diagram. **(7 Marks)**

OR

- (b) What do you mean by dis-intermediation and re-intermediation? Demonstrate the impact on dis-intermediation and re-intermediation on e-business.

- ii.** (a) What is online travel tourism business? Compare it with traditional travel tourism. Explain the customer side advantages of online travel tourism **(7 Marks)**

OR

- (b) What is EDI? Explain benefits and limitation of EDI.

SECTION – ‘C’

NOTE: Attempt any two questions. (14x2 = 28 Marks)

- Q.5.** (a) Define Debit card, Credit card, Smart card. Differentiate between Debit card and Credit card. Explain the steps involved in credit card traction process. Draw suitable diagrams. **(14 Marks)**

OR

- (b) What id e-auction? Explain any three types of e-auction. What are the advantages provided by e-auction?

- Q.6.** (a) Explain B2B business model. Explain following B2B Architectural Models:

1. Supplier Oriented marketplace
2. Buyer Oriented marketplace
3. Third-Party-Controlled Marketplace **(14 marks)**

OR

- (b) What do you mean by E-governance? Explain Broadcasting model of E-governance. Explain the application of e-governance in the following area:

1. e-taxation
2. e-citizen
3. e-registration
4. e-democracy
5. e-education
6. e-police

Q. 7. Answer all parts:

- a) Find the forecast by moving average method. Also calculate the forecast by next 3 months by exponential smoothing method when smoothing constant is 0.25.

Month	Demand
June	205
July	317
Aug	309
Sept.	305
Oct.	327
Nov.	339

(8 marks)

- b) Find the dual of the given problem.

$Minz = 2x_1 + 3x_2 + 4x_3$ subject to $2x_1 + 3x_2 + 5x_3 \geq 2$,
 $3x_1 + x_2 + 7x_3 = 3$, $x_1 + 4x_2 + 6x_3 \leq 5$ where $x_1, x_2 \geq 0$
and x_3 is unrestricted.

(6Marks)

(4)

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Odd Semester Examination 2018-19

B.Tech – VII Semester

Subject Code: **BOE073**

Operations Research

[Time: 03:00 Hrs.]

[Maximum Marks: 70]

NOTE: Attempt all three sections.

SECTION – ‘A’

NOTE: Attempt all parts of the following question. (14 Marks)

Q. 1. Explain the following terms: (2x7 = 14 Marks)

- i. Optimal Solution
- ii. Saddle Point
- iii. PERT
- iv. Machine Dominance in Sequencing
- v. Duality in LPP
- vi. Network Diagram
- vii. Tracking Signal

SECTION – ‘B’

NOTE: Attempt any two questions. (14x2 = 28 Marks)

Q.2. Answer all parts:

- a) Explain the rules for drawing a Network Diagram.

(6 Marks)

(2)

Continue...

- b) A number of jobs are to be performed on 2 machines. Find the sequence and calculate:
- (i) Job Flow time.
 - (ii) Make Span time, and
 - (iii) Machine Utilization factor for Machine A.

Jobs/Machines	J1	J2	J3	J4	J5	J6	J7	J8	J9
M1	2	5	4	9	6	8	7	5	4
M2	6	8	7	4	3	9	3	8	11

(8Marks)

Q.3. Answer all parts:

- a) Explain the Harris-Wilson Model for Inventory Control. Write the formula to calculate the TIC and TAC.
- b) In a railway marshalling yard, goods trains arrive at a rate of 30 trains per day. Assuming that the inter-arrival rate follows an exponential distribution and service time is 36 mins. Calculate:
- (i) The avg. number of trains in the queue.
 - (ii) The probability that the queue size exceeds 10.
 - (iii) If the input of trains increases to an avg. 33 per day, what will be change in (i) and (ii)?

(6 Marks)

(8 Marks)

Q. 4. Answer all parts:

- a) Explain different Qualitative forecasting methods. (6 Marks)
- b) Find the maximum cost associated with the Assignment problem, and the job associated with each person.

	a	B	C	d	E	f
A	8	22	58	10	19	27
B	43	78	72	50	63	48
C	41	28	91	37	45	33
D	74	42	27	49	39	32
E	36	11	57	22	25	18
F	3	56	53	31	16	28

(8 Marks)

SECTION – ‘C’

NOTE: Attempt any two questions.

(14x2 = 28 Marks)

Q. 5. Answer all parts:

- a) Draw a network diagram and find the critical path for the following:

Activity	A	B	C	D	E	F	G	H	I	J	K
Predecessor	-	-	-	A	B	B	C	E	D	F,G	H,I
Time (weeks)	4	7	3	6	3	7	6	10	3	4	2

(8 Marks)

- b) Solve the following by graphical method:

$$\text{Max } z = 3x_1 + 5x_2 + 4x_3,$$

subject to:

$$2x_1 + 3x_2 \leq 8, \quad 2x_2 + 5x_3 \leq 10, \quad 3x_1 + 2x_2 + 4x_3 \leq 15,$$

$$\text{and } x_1, x_2, x_3 \geq 0$$

(6 Marks)

Q. 6. Answer all parts:

- a) Explain the Trend and Seasonal demand variations. (6 Marks)
- b) Find the optimal solution of the given transportation problem.

	Destination				supply
	D ₁	D ₂	D ₃		
Source	S ₁	1	7	4	5
	S ₂	3	8	1	8
	S ₃	5	4	7	7
	S ₄	3	6	9	14
	demand	7	9	18	34

(8 Marks)

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Odd Semester Examination 2019-20

MBA-III Semester

Subject Code: MBA-352

Medical Terminology & Procedures

Time: 03:00 Hrs.

Maximum Marks: 70

NOTE: Attempt all three sections.

SECTION-A

NOTE: Attempt all parts of the following questions.

(14 Marks)

Q. 1. Answer the following questions:

(1x7 = 7 Marks)

- (i) Define word roots.
- (ii) Mention the suitable example for combining vowel.
- (iii) List of drugs used in pneumonia.
- (iv) State the hematology.
- (v) Define epigastric.
- (vi) State suffix.
- (vii) Name of drugs used in arrhythmias.

Q.2. Answer the following questions:

(1x7 = 7 Marks)

- (i) Represent the nephrotic syndrome.
- (ii) Define Appendicitis.
- (iii) Clarify large intestine.

(4)

(1)

- (iv) enlist therapy of drugs in Menorrhagia Ovarian Cyst.
- (v) Define pacemaker.
- (vi) Mention drug therapy in bronchial asthma.
- (vii) State EEG.

SECTION-B

NOTE: Attempt any two questions. (14x2 = 28 Marks)

Q. 3. Attempt any one of the following.

I. (a) Estimate the accessory of digestive tract organs with neat diagram. (7 Marks)

Or

(b) Relate the anatomy and physiology of respiratory tract system. (7 Marks)

II. (a) Relate physiological role and functions of kidney. (7 Marks)

Or

(b) Focus on infertility mammography and ultra sound. (7 Marks)

Q. 4. Answer the following:

I. Attempt any one of the following

(a) Differentiate various aspects for renal failure, renal bladder stones. (7 Marks)

Or

(b) Focus on Prostate Enlargement and Hydrocele. (7 Marks)

II. Attempt any one of the following

(a) Outline the concepts of cardiac arrest shock and deep vein thrombosis. (7 Marks)

Or

(b) Integrate anatomy and physiology of central nervous system. (7Marks)

SECTION-C

Q.5. Attempt any one of the following.

(a) Coordinate the Respiratory Failure, Pulmonary Embolism and Tuberculosis. (14 Marks)

Or

(b) Monitor the Brain Tumor, Brain Injuries and Spinal Cord Injuries. (14 Marks)

Q.6. Attempt any one of the following.

(a) Generalize MRI, EEG and EMG techniques. (14 Marks)

Or

(b) Conceptualise the Myelography and cystoscopy. (14 Marks)