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UNIVERSITY BAREILLY

Dr. Avadhesh Sharma <avadhesh.s@invertis.org>

FIRST REMINDER: SUBMISSION OF QUESTION PAPERS FOR END SEMESTER EXAMINATION

1 message

santosh kumar <registrar@invertis.org>   Thu, Oct 5, 2017 at 10:30 AM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, Vice Chancellor <jagdish.rai@invertis.org>, Anirudh Saxena
<anirudh.s@invertis.org>, santosh kumar <registrar@invertis.org>

Dear Sir/Madam,

All the faculty members are requested to submit **two sets** of question papers for End Semester Examination of all the subjects they are teaching in Odd Semester, 2017 to the examination department on or before **17th October, 2017**.

The question papers are to be submitted in **soft copy** in **pen drive** either to Ms. Priyanka or to Ms. Ruba Nasim.

The format of the question paper will be CO based and a general guideline has been attached with this mail. The maximum marks for different courses may vary and an attachment for maximum marks for various courses has also been attached with the mail.

Kindly submit the papers before due date to avoid any inconvenience.

Registrar

2 attachments

📄 **Format of QP for End Semester Exam Dept.pdf**
353K

📄 **Max marks.pdf**
8K

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Dr. Avadhesh Sharma <avadhesh.s@invertis.org>

IMPORTANT INFORMATION REGARDING END SEMESTER EXAM PAPER SUBMISSION

3 messages

Santosh Kumar <santosh.k@invertis.org>   Tue, Feb 26, 2019 at 11:42 AM
To: All Faculty <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, YDS Arya <yds.arya@invertis.org>, Anirudh Saxena
<anirudh.s@invertis.org>, santosh kumar <registrar@invertis.org>, Neelam Shukla <neelam.s@invertis.org>

Dear Sir/Madam,

All the faculty members are requested to submit **two sets** of question papers for En
d Semester Exam of all the subjects they are teaching in Even Semester, 2019 to
the examination department on or before ***13 th March, 2019***.

The question papers are to be submitted in **soft copy** in **pen drive** to Ms. Neelam.

The format of the question paper will be CO based and a general guideline has been
attached with this mail. The maximum marks for different courses may vary and an
attachment for maximum marks for various courses has also been attached with the
mail.

Faculty members are requested to follow the pattern according to the attached
format for the question papers. Attached sample question paper in word format can
be used as templet for submitting other papers.

Max. Marks 75 is also applicable for B.Pharm.

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Santosh Kumar
Associate Professor
Registrar
Invertis University, Bareilly
Contact No.09045000606

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3 attachments

📄 **SAMPLE QP FOR END SEM EXAM.docx**
52K

📄 **Max marks.doc**
29K

📄 **CO & PO Format of QP for End Semester Exam.pdf**
353K

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santosh kumar <registrar@invertis.org>   Tue, Mar 12, 2019 at 3:42 PM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, YDS Arya <yds.arya@invertis.org>, santosh kumar
<registrar@invertis.org>

Reminder for End Semester Question Papers.

Santosh Kumar

[Quoted text hidden]

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3 attachments

SAMPLE QP FOR END SEM EXAM.docx
52K

Max marks.doc
29K

CO & PO Format of QP for End Semester Exam.pdf
353K

Dr. Avadhesh Sharma <avadhesh.s@invertis.org>   Wed, Mar 13, 2019 at 2:31 PM
To: santosh kumar <registrar@invertis.org>

Dear Sir
I request you to kindly extend the date of paper submission to 25th March 2019, for me. I was busy in ICRAS-2019
and then in the setting of Physics paper for IUCET.
Regards
[Quoted text hidden]

--
Dr. Avadhesh Sharma
Assistant Professor
Appl. Sc. & Humanities
Invertis University
Bareilly

Mob: 7771014860

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Dr. Avadhesh Sharma <avadhesh.s@invertis.org>

SUBMISSION OF QUESTION PAPERS FOR (EVEN) END SEMESTER EXAMINATION

3 messages

santosh kumar <registrar@invertis.org>   Thu, Feb 1, 2018 at 2:50 PM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, Vice Chancellor <jagdish.rai@invertis.org>, YDS Arya
<yds.arya@invertis.org>, Rajesh Kumar Shukla <rkshukla@invertis.org>, Manish Gupta <manish.g@invertis.org>, Prem
Prakash Singh <ppsingh@invertis.org>, Ajay Indian <ajay.i@invertis.org>, santosh kumar <registrar@invertis.org>,
Anirudh Saxena <anirudh.s@invertis.org>, Neelam Shukla <neelam.s@invertis.org>, Gaurav Sharma
<gaurav.s1@invertis.org>

Dear Sir/Madam,

All the faculty members are requested to submit **two sets** of question papers for En
d Semester Examination of all the subjects they are teaching in Even Semester,
2018 to the examination department on or before **10th February, 2018**.

The question papers are to be submitted in **soft copy** in **pen drive** either to Ms.
Neelam or to Mr. Gaurav.

The format of the question paper will be CO based and a general guideline has been
attached with this mail. The maximum marks for different courses may vary and an
attachment for maximum marks for various courses has also been attached with the
mail.

Faculty members are requested to follow the pattern according to the attached
format for the question papers.

Max. Marks 75 is also applicable for B.Pharm 3rd year.

Registrar

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2 attachments

📄 **Format of QP for End Semester Exam Dept.pdf**
353K

📄 **Max marks.pdf**
8K

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santosh kumar <registrar@invertis.org>   Fri, Feb 9, 2018 at 2:00 PM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, Vice Chancellor <jagdish.rai@invertis.org>, YDS Arya
<yds.arya@invertis.org>, Rajesh Kumar Shukla <rkshukla@invertis.org>, Manish Gupta <manish.g@invertis.org>, Prem

Prakash Singh <ppsingh@invertis.org>, Ajay Indian <ajay.i@invertis.org>, santosh kumar <registrar@invertis.org>, Anirudh Saxena <anirudh.s@invertis.org>, Neelam Shukla <neelam.s@invertis.org>, Gaurav Sharma <gaurav.s1@invertis.org>

REMINDER FOR LAST DATE 10TH FEBRUARY.

SANTOSH

[Quoted text hidden]

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santosh kumar <registrar@invertis.org>   Tue, Feb 13, 2018 at 12:39 PM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, Vice Chancellor <jagdish.rai@invertis.org>, YDS Arya <yds.arya@invertis.org>, Rajesh Kumar Shukla <rkshukla@invertis.org>, Manish Gupta <manish.g@invertis.org>, Prem Prakash Singh <ppsingh@invertis.org>, Ajay Indian <ajay.i@invertis.org>, santosh kumar <registrar@invertis.org>, Anirudh Saxena <anirudh.s@invertis.org>, Neelam Shukla <neelam.s@invertis.org>, Gaurav Sharma <gaurav.s1@invertis.org>

REMINDER FOR SUBMISSION OF END SEMESTER QUESTION PAPERS.

[Quoted text hidden]

Instructions for Paper Setters

1. Suggestive question paper format for End Semester Examination:

   Invertis University has adopted 'Outcome Based Education' system. In this system, evaluation is done on the basis of learning levels of students. There are six levels of learning called Course Outcomes (COs) – Knowledge, Understanding, Apply, Analyze, Evaluate, and Create.

   Question paper will be based on syllabus, as usual. However, each question will be based on a particular Course Outcome (CO).We want the question paper to be set to test the students at these levels. Accordingly, the following format is advised for the setting of question paper.

   Note: Attempt all sections. In Section A, both questions are to be attempted. Section B and C have internal choice; you should attempt only one part of each question

   Total Marks: 70 **(60 for diploma)**

SECTION 'A'   (14 X 1 = 14) **(12 x 1 = 12 for diploma)**

Q1.   Level of testing **Knowledge** through the verbs: **Recognize, recall, list, mention, state, draw, label, define, name, describe, etc.**
       (Frame the questions around these verbs)

       (i) to (vii)   (Seven one mark questions from **CO1**)

Q2.   Level of testing **Understanding** through the verbs: **translate, paraphrase, represent, clarify, etc.**

       (i) to (vii)   (Seven one mark questions from **CO2**)

SECTION 'B'   (7 X 2 X 2 = 28) **(6 x 2 x 2 = 24 for diploma)**

Q3.   Level of testing **Apply** through the verbs: **determine, calculate, compute, estimate, solve, draw, relate, modify, etc**

       (i) (a)   Seven Marks from **CO3**

          Or

          (b)   Seven Marks from **CO3**

       (ii) (a)   Seven Marks from **CO3**

           Or

          (b)   Seven Marks from **CO3**

Q4. Level of testing **Analyze** through the verbs: **Discriminate, differentiate, focus, select, Structure, integrate, find coherence, outline, etc.**

  (i) (a) Seven Marks from **CO4**

   Or

  (b) Seven Marks from **CO4**

  (ii) (a) Seven Marks from **CO4**

   Or

  (b) Seven Marks from **CO4**

SECTION 'C'   (14 X 2 = 28)   **(12 x 2 = 24 for diploma)**

Q5. Level of testing **Evaluate** through the verbs: Test, detect, monitor, coordinate, Judge (Accuracy, adequacy, appropriateness, clarity, cohesiveness, completeness, consistency, correctness, credibility, organization, reasonableness, reasoning, relationships, reliability, significance, standards, usefulness, validity, values, worth, criteria, standards, and procedures)

  (i) (a) Fourteen Marks from **CO5**

   Or

  (b) Fourteen Marks from **CO5**

Q6. Level of testing **Create** through the verbs: Generate: Classify systems, concepts, models, explanations, generalizations, hypotheses, predictions, principles, problems, questions, theories), Plan (design), Produce, etc.

  (i) (a) Fourteen Marks from **CO6**

   Or

  (b) Fourteen Marks from **CO6**

All faculty members are hereby informed that the maximum marks and subsequently the distribution of marks for end semester question paper setting is as follows:

1. B.Pharm (Max Marks 75)

   Section A : 15 marks

   Section B : 15 X 2 = 30 marks

   Section C : 15 X 2 = 30 marks

2. D. Pharm 1st & 2nd Year (Max Marks 80)

   Section A : 16 marks

   Section B : 16 X 2 = 32 marks

   Section C : 16 X 2 = 32 marks

3. Diploma in Engineering (Max Marks 60)

   Section A : 12 marks

   Section B : 12 X 2 = 24 marks

   Section C : 12 X 2 = 24 marks

4. Agriculture (Max Marks 50)

   Section A : 10 marks

   Section B : 10 X 2 = 20 marks

   Section C : 10 X 2 = 20 marks

5. Remaining all courses

   a- (Max Marks 70)

   Section A : 14 marks

   Section B : 14 X 2 = 28 marks

   Section C : 14 X 2 = 28 marks

   b- (Max Marks 35)

   Section A : 7 marks

   Section B : 7 X 2 = 14 marks

   Section C : 7 X 2 = 14 marks

Dear Sir/Madam,

All the faculty members are requested to submit **two sets** of question papers for End Semester Exam of all the subjects they are teaching in Odd Semester, 2019 to the examination department on or before ***5 th October, 2019***.

The question papers are to be submitted in **soft copy** in **pen drive** to Ms. Neelam (preferably between 3:00 to 5:00 pm).

The format of the question paper will be CO based and a general guideline has been attached with this mail. The maximum marks for different courses may vary and an attachment for maximum marks for various courses has also been attached with the mail (in case of any discrepancy, kindly verify from the evaluation scheme).

Faculty members are requested to follow the pattern according to the attached format for the question papers. Attached sample question paper in word format can be used as templet for submitting other papers.
Max. Marks 75 is also applicable for B.Pharm.

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MBA - IV Semester
Odd Semester Examination 2019-20
Subject Code : **MBA-413**
WEALTH MANAGEMENT

[Time : 03:00 Hrs.]   [Maximum Marks : 70]

NOTE : Attempt all three sections.

SECTION - 'A'
NOTE :   Attempt the following question.   (14 Marks)

Q.1. *Answer the following :*   *(1✗7=7 marks)*
  (i)   Modes of investment in real estate
  (ii)   Systematic investment plan
  (iii)   SEBI as regulatory institutions
  (iv)   Goal based Financial plan
  (v)   Beta as a measurement of systematic risk
  (vi)   Risk profiling of Client
  (vii)   Callable and Putable Bonds

Q.2. *Answer the following :*   *(1✗7=7 marks)*
  (i)   Interest rate risk
  (ii)   Free float market capitalization
  (iii)   Diversification of risk
  (iv)   zero coupon bonds
  (v)   Index fund
  (vi)   Fundamental analysis
  (vii)   Yield to maturity

SECTION - 'B'

Q.3. i. (a) What do you understand by Equity shares? Explain how investment in equity share is more riskier than investment in debt instrument.

(7 marks)

Or

(b) What do you understand by YTC. Calculate YTC from the following information A bond of 10000 was issued 4 Years ago with a coupon rate of 10% and for a maturity period of 10 Years. Currently bond is trading at a price of 1050. Company gives an option to redeem the bond after 6 years.

ii. (a) What do you understand by Financial Planning. Explain in detail financial planning process of an individual. *(7 marks)*

Or

(b) Calculate the risk and return of portfolio from the following investment. Investible funds =100000

Investment avenues -
(1) Equity shares - risk -30% ,return-25% and Investment proportion -40%
(2) Bonds- risk -15%- return -20% and investment proportion - 30%
(3) Real estate - risk- 20% return - 35% and investment proportion of 30%

Q.4. i. (a) Write a note of Dow theory of technical analysis. *(7 marks)*

Or

(b) What do you understand by beta? What role it play in investment decision. How beta is calculated and its interpretation in performance evaluation.

ii. (a) Write a note on goal based financial plan and how goal based financial plan is better than general form of financial planning? *(7 marks)*

Or

(b) Write a detailed note on how fundamental analysis is different from technical analysis.

SECTION - 'C'

Q5. (a) Write a detailed note on Capital Asset pricing Model and how it is helpful in investment decision making? *(14 marks)*

Or

(b) If a fund has a return of 12% and a standard deviation of 15%, and if the risk-free rate is 2%, then what is its Sharpe ratio?
If a portfolio has a return of 12% and a beta of 1.4, and if the risk-free rate is 2%, then what is its Treynor ratio

Q.6. (a) Explain in detail concept of risk and return in investment decision. Explain with the help of a suitable example risk return trade off in investment decisions. *(14 marks)*
Calculate the systematic risk from the following information:
Variance of stock X - 900 variance of market return- 400 and degree of correlation co-efficient between security returns and market return is .95

Or

(b) Find the present value of stock from the following information-
Company A paid annual dividend of Rs. 5 this Year and it is expected to pay dividend with a growth rate of 5% for next 3 years and 8% thereafter for perpetuity. Required rate of return on equity is 14%. Find the price of the share and its present value.

❐

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Dr. Avadhesh Sharma <avadhesh.s@invertis.org>

IMPORTANT REGARDING SUBMISSION OF END SEMESTER QUESTION PAPERS
1 message

santosh kumar <registrar@invertis.org>   Tue, Sep 24, 2019 at 9:32 AM
To: All Members <igi@invertis.org>
Cc: Umesh Gautam <ugautam@invertis.org>, YDS Arya <vc@invertis.org>, Rajesh Kumar Shukla
<rkshukla@invertis.org>, Prem Prakash Singh <ppsingh@invertis.org>, Manish Gupta <manish.g@invertis.org>, Rajeev
Bhatia <rajeev.b@invertis.org>, santosh kumar <registrar@invertis.org>, Neelam Shukla <neelam.s@invertis.org>,
Shefta Kausar <shefta.k@invertis.org>

Dear Sir/Madam,

All the faculty members are requested to submit **two sets** of question papers for En
d Semester Exam of all the subjects they are teaching in Odd Semester, 2019 to the
examination department on or before ***3 rd October, 2019***.

The question papers are to be submitted in **soft copy** in **pen drive** to Ms. Neelam or
to Ms. Shefta Kausar.

The format of the question paper will be CO based and a general guideline has been
attached with this mail. The maximum marks for different courses may vary and an
attachment for maximum marks for various courses has also been attached with the
mail.

Faculty members are requested to follow the pattern according to the attached
format for the question papers. Attached sample question paper in word format can
be used as templet for submitting other papers.
NOTE:
1. You are requested not to send the same previous year papers.
2. Both the sets of question papers should be different.
3. Kindly submit the papers before the due dates.
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Santosh Kumar
Associate Professor
Registrar
Invertis University, Bareilly
Contact No.09045000606

3 attachments

📄 **Format of QP for End Semester Exam Dept (2).pdf**
353K

📄 **Max marks (1).doc**
32K

📄 **Question Paper Sample.docx**
228K

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)

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Odd Semester Examination 2017-18

BCA – Vth Semester

Subject Code: BCA502

Java Programming

[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. 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

1. . **Continue...**

(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.
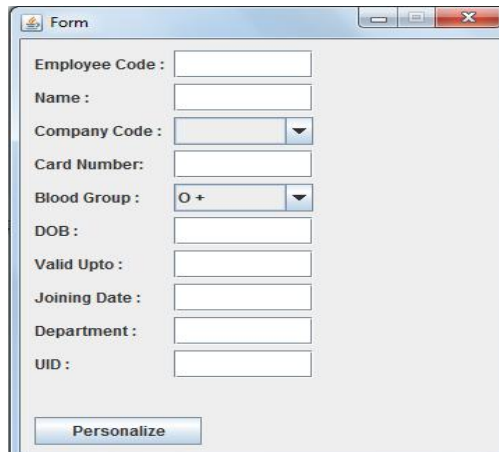
SECTION – 'B'

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]
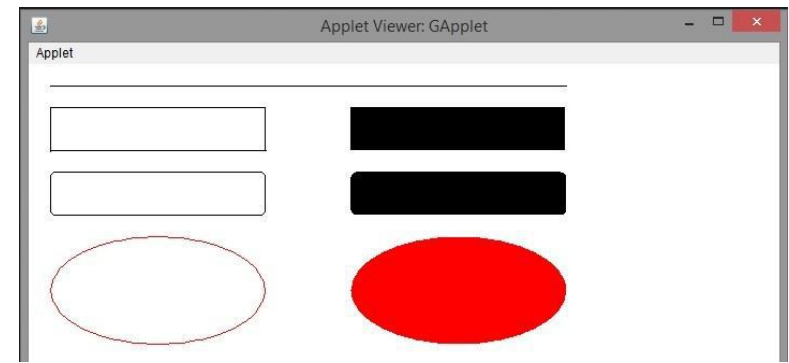
(ii) (a)Write the program for creating employee registration form

(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) JTabedPane
   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-filling 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

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 leving 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%

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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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UNIVERSITY BAREILLY

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)

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 Inventry Control. Write the formula to calculate the TIC and TAC.

(6 Marks)

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)?

(8 Marks)

Q. 4. Answer all parts:

a) Explain different Qualitative forcasting 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:

Max z$=3x_1+5x_2+4x_3$,

subject to:

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

and $x_1, x_2, x_3 \ge 0$ **(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			
		D_1	D_2	D_3	supply
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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UNIVERSITY BAREILLY

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)

(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 Embolison 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)