

Total No. of Pages-2

2nd SEMESTER

MID TERM EXAMINATION

-217-

Roll No.

B.Tech.[All]

March-2019

FEC 32 Logical Reasoning

Time: 1:00 Hour

Max. Marks : 25

Note : Answer all questions.

Q.1 Answer any two of the following: (6+6= 12 Marks)

1a). Validity of any argument always depends upon the relation between premisses and conclusion. Discuss the relation between truth/falsity of a proposition and validity/invalidity of an argument.

1 b). Deductive arguments lead to certainty whereas inductive argument leads to probability. Discuss the distinction between these two types of arguments.

1c) Not all sentences are propositions. Explain the distinction between sentence and proposition.

1d) Explain the traditional square of opposition of proposition.

Q.2 Reduce the following propositions into their logical form (Any two) (1+1= 2 marks)

- 1) Butterflies are not moths.
- 2) Only books contain knowledge.
- 3) Not all writers are sensitive.
- 4) Old people are generally conservative.

Q.3 Give the conversion and obversion of the following (any two) (2+2=4 marks)

- 1) All dogs are faithful.
- 2) Some apples are red.
- 3) Some circles are not physical objects.

P.T.O.

Q.4 If 'No Soldiers are traitors' is true, what can be inferred about the truth/ falsity of its opposites- (Traditional Square of Opposition)
(3 Marks)

Q.5 If 'No men are perfect' is true, what can be inferred about the truth and falsity of the following propositions:
(2+2=4 marks)

- 1) All men are non-perfect.
- 2) No non-perfect being are non- men.

END

Total No. of Pages 3

Roll No.

Second Semester

B.Tech (Elective)

MID- SEMESTER EXAMINATION

March -2019

FEC18 Financial Statement Analysis

Time: 01:00 Hours

Max. Marks:

25

Note: Answer all questions. Assume suitable missing data, if any.

I. Differentiate: (Word Limit 50)

(2x5)

- 1) Gross profit and Operating profit
- 2) Depreciation and amortization
- 3) Fixed Assets and Current assets
- 4) GAAP and Accounting standards
- 5) Interest and Dividend

II. Calculate Gross profit, operating profit, Net Profit, Gross profit Margin and Net profit margin for the Raymond Company (a clothing retailer) for the year ending December 31, 2018 given the information below and comment on the performance of the company:

Advertising expenditures	68,000
Beginning inventory	256,000
Depreciation	78,000
Ending inventory	248,000
Gross Sales	3,210,000
Interest expense	64,000
Lease payments	52,000
Management salaries	240,000
Materials purchases	2,425,000
Returns and allowances	48,000
Taxes	51,000

(6 marks)

P.T.O.

1-216-

III. MCQs

(1x9)

1) Using "lower of cost and net realisable value" for the purpose of inventory valuation is the implementation of which of the following concepts?

- A) The going concern concept
- B) The separate entity concept
- C) The prudence concept
- D) Matching concept

2) The concept of separate entity is applicable to which of following types of businesses?

- A) Sole proprietorship
- B) Corporation
- C) Partnership
- D) All of them

3) The revenue recognition principal dictates that all types of incomes should be recorded or recognized when

- A) Cash is received
- B) At the end of accounting period
- C) When they are earned
- D) When interest is paid

4) The matching concept matches which of the following?

- A) Asset with liabilities
- B) Capital with income
- C) Revenues with expenses
- D) Expenses with capital

P.T.O.

- 5) Which of the following is time span into which the total life of a business is divided for the purpose of preparing financial statements?
- A) Fiscal year
 - B) Calendar year
 - C) Accounting period
 - D) Accrual period
- 6) Which one of the following could not be classified as Revenue Income?
- A) Goods sold for cash
 - B) Goods sold on credit
 - C) Income from the sale of services
 - D) Income from the sale of fixed assets
- 7) Which of the following is an item of Cost of goods sold?
- A) Material expenses
 - B) Advertising expenses
 - C) Managerial Salary
 - D) Lease payments
- 8) In 2013, ABC co. had gross sales of Rs.12,53,400. The company's management reported a Returns and Allowances estimate of Rs.53,400 in 2013. What did ABC co. report as Net sales in 2013?
- A) Rs.12,00,400
 - B) Rs.12,00,000
 - C) Rs. 12,53,400
 - D) None of these
- 9) Accumulated depreciation on the Bentley, Incorporated 2012 Balance sheet was \$386,000. Accumulated depreciation on the Bentley, Incorporated 2003 Balance sheet was \$454,000. Bentley did not sell any existing fixed assets in 2013. What did Bentley report as depreciation expense on its 2013 Income statement?

END

MID SEMESTER EXAMINATION
March 2019

FEC-7 Introduction to Environmental Science

Time: 1:00 Hour 30 Minutes

Max. Marks: 25

Note: Answer all questions.
All questions carry equal marks.
Assume suitable missing data, if any.

1. What do you mean by 10% energy transfer law? Explain in detail with single chain energy flow model. Also explain about the loss of 90 % energy. (5)
2. Write the significance of genetic biodiversity in the ecosystem? Describe the different Ex and In-situ conservation methods to conserve the biodiversity. (5)
3. What is primary and secondary ecological succession? In addition to this draw a food web for pond ecosystem. (5)
4. Define the difference between extinct, endangered, vulnerable and rare species. Also throw some light on different threats to biodiversity in India. (5)
5. Write short notes on the followings: (5)
 - (a) Abiotic components of ecosystem
 - (b) Ecological pyramids

Total no. of pages: 1

— 215 —

Roll No.....

SECOND SEMESTER

B. Tech.

MID TERM EXAMINATION

March- 2019

FEC12, BUSINESS COMMUNICATION & PRESENTATION SKILLS

Time: 01:00 Hours

Max. Marks: 25

Note : Attempt all Questions.

Q1. Present an extempore on 'any one' of the following topics: 10

- a. Street Harassment
- b. Elections
- c. War and Peace
- d. Education System

Q2. What are the ways that can make your argument effective. Explain with examples. 10

Or,

Formulate five questions and corresponding answers for the Vice Chairman of your institution.

Q3. Give meanings of the following idioms and use them in a sentence 5

(any five):

- a. To add insult to an injury
- b. To kill two birds with one stone
- c. Birds of the same feather flock together
- d. Piece of cake
- e. To see eye to eye
- f. Out of the frying pan and into the fire
- g. To jump on the bandwagon
- h. Bolt from the blue
- i. To turn a blind eye
- j. Water under the bridge

- 214 -

Total No. of Pages :01

Roll No.....

Second Semester

B.Tech.

Mid-Term Examination

March-2019

FEC-10/ Communication Skills/

Time: 1.5 Hours

Maximum Marks: 25

Note : Answer the following questions:

1. Define communication as a bi-polar process. Explain the major barriers to effective communication. (12)
2. Rectify the following sentences: (5)
 - a) One should do his duty honestly.
 - b) I prefer tea than coffee.
 - c) The climate of Delhi is better than Lucknow.
 - d) I look forward to meet you.
 - e) The cat was licking it's tail.
3. Write a paragraph on either "Terrorism" or "Web Series and Censor-free Creativity". (8)

END

Total No. of Pages : 1
~~1st~~ SEMESTER - II
MID TERM EXAMINATION

Roll No.
B.Tech.[AI]
Mar-2019

FEC 37 French

Time: 1:00 Hour

Max. Marks :25

Note :Answer all questions. Assume suitable missing data, if any.

Ecrivez en hindi ou anglais

Q.1 What is term <<Francophone>> ? 3

Q.2 what is language ? How a language can change our life? 3+3

Q.3 Ecrivez un petit note avec exemple (16 * 1)

- | | | |
|---|--|-------------------------|
| (a) Habiter vs Vivre | | (b) Savoir vs Connaitre |
| (c) Le vs La | | (d) Bonjour vs Salut |
| (e) A vs à | | (f) Dans vs En |
| (g) Il vs Ils | | (h) Ils vs Elles |
| (i) Quand vs à quelle heure | | (j) ami vs amie |
| (k) Ecoutez – moi vs Ecoute – moi | | |
| (l) Tout le monde vs personne | | |
| (m) J'ai un professeur vs Je suis un professeur | | |
| (n) c'est un enfant vs c'est une enfant | | |
| (o) Je ne mange rien vs Je ne mange pas | | |
| (p) Je veux du coca vs Je voudrais du coca | | |

Bonne chance !!

~~1st~~ SEMESTER - II

B.Tech. [AI]

MID TERM EXAMINATION

March -2019

FEC 39

Japanese

Time: 1:00 Hour

Max. Marks: 25

Note: Answer all questions. Assume suitable missing data, if any.

Q.1 これは 何ですか。

(3.5)

れい)



(ほん)



()



()



()



()



()



()



()

Q.2 すうじ (Number)

れ

い)	いち	(1)	れい)	49	(よんじゅうきゅう)
1)	なな	()	6)	100	()
2)	きゅう	()	7)	210	()
3)	じゅうろく	()	8)	350	()
4)	にじゅう	()	9)	653	()

5) さんじゅうご () 10) 3000 (

(5)

Q.3 じよし(Particle)

れ

い) あのひと(は) だれですか。

1) これ() じしよです。

2) マンさん() がくせいですか。

B:はい、ふじだいがく() がくせいです。

3) Guptaさん() Indo.じんです。Santosさん() Indo.じんですか。

A:これはあなた() ほんですか。

B:いいえ、わたし() じゃありません。

5) A:Toyota() なんの かいしゃですか。

B:じどうしゃ() かいしゃです。

6) A:この かばん() いくらですか。

B:1000えんです。

A:じゃ、これ() ください。

7) これ() にほん() とけいです。

Q4. Write Following into Katakana

Toilet, Radio, Television, Camera, Engineer,

(6.5)

(5)

Q5. Please answers the question into Japanese

1. おなまえ は なん ですか。

2. うち は どこ ですか。

3. きのう なんようび でしたか。

4. まいにち なんじ に ねますか...

5. にほんご の クラス は なんじ から なんじ まで ですか。

(5)



Total No. of Pages - 2 — 222 —

Roll No. _____

SEMESTER — II

B.Tech.[All]

MID TERM EXAMINATION

Mar - 2019

FEC 40

German

Time: 1:00 Hour

Max. Marks : 25

Note : Answer all questions. Assume suitable missing data, if any.

1) Lesen Sie den Text und beantworten Sie die folgenden Fragen: (Read the text and answer the following questions) (2)

Thomas ist Student an der universität Berlin. Er kommt aus Amerika und wohnt in Berlin. Er spricht Englisch und Deutsch. Er studiert Informatik. Er liebt Rock Musik. Von Montag bis Freitag ist er an der Universität. Am Wochenende arbeitet er im Café.

1. Studiert Thomas in Amerika? Ja/ Nein
2. Ist Thomas am Wochenende an der Universität? Ja/Nein

2) Ergänzen Sie die folgenden Verben in der richtigen Form: (Fill the given verbs in the right form) (3)

surfen, heissen, spielen, arbeiten, trinken, lernen

1. Ich _____ einen Kaffee.
2. _____ du im Internet?
3. Die Frau _____ Maria.
4. Wir _____ Tischtennis.
5. _____ ihr Deutsch ?
6. Peter _____ bei Siemens.

3) Schreiben Sie das Gegenteil: (Write the opposites) (2)
alt, kalt, klein, teuer

(3)

4) Ergänzen Sie!
wo, was, wie

1. _____ trinken Sie morgens?
2. _____ geht es Ihnen?
3. _____ wohnst du?

(5)

5) Übersetzen Sie ins Englische: (Translate in english)

1. Rosina kommt aus Österreich.
2. Die Deutschen spielen Fussball.
3. Ich surfe am Abend im Internet.
4. Am Sonntag gehe ich ins Theater.
5. Deutschland ist im Europa.
6. Meine Universität heisst DTU.
7. Deutsch ist interessant.
8. Meine deutsche Klasse ist am Dienstag.
9. Ich schreibe eine E.mail.
10. Die Schweiz ist schön.

(3)

6) Bilden Sie Sätze? (Form sentences)

- 1) Name / ist / Olivia / mein.
- 2) wohnt / Frankfurt/ Freund / in / mein.
- 3) deutsche Musik / Paul / hört .
- 4) sind / an der DTU/ wir / Studenten.
- 5) Paul / alt / achtzehn / ist / Jahre.
- 6) April / es / warm / im / ist / Delhi / in.

7) Schreiben Sie die folgenden Zahlennummer ins Deutsche: (calculate and write the numbers in German)

(2)

1. Sieben plus zwei ist _____.
2. Vierzig minus acht ist _____.
3. Zwanzig plus sechs ist _____.
4. Zehn plus vier ist _____.

8) Schreiben Sie 10 Sätze über sich selbst? (Write 10 sentences about yourself?)

(5)

Total no. of pages: 1

- 224 -

Roll No.....

SECOND SEMESTER

B. Tech.

MID SEMESTER EXAMINATION

March- 2019

FEC45 ENGINEERING EXPLORATION

Time: 1:00 Hours

Max. Marks: 30

Note: All questions carry equal marks. Assume suitable missing data, if any.

- 1) With a suitable example illustrate how to work with the digital input/ output on Arduino UNO board.
- 2) Explain how to access UART on Arduino Uno board.
- 3) Illustrate with the help of an example how to work with I2C on Arduino Uno board.
- 4) Explain how to work with SPI on Arduino Uno board.
- 5) Describe all the steps involved from the time of project initiation to project completion.

END

- 225 -

Total no of pages:01

Roll no.....

Second Semester

B.Tech

Mid-Term Examination

March 2019

FEC-46 Technical Communication

Time: 1.5 Hours

Maximum Marks: 25

Answer the following questions:

1. What do you mean by technical communication? Explain the major characteristics of technical communication with examples. (10)
2. Distinguish between CV and resume. Also, write a cover letter for the post of branch manager of a reputed bank. Imagine the relevant details. (10)

OR

What do you mean by Group Discussion? Bring out the essentials of Group Discussion.

3. What is report-writing? Bring out the major components of a formal report. (5)

-End-