

Date - 17/7/2023

To

The HOD

EEE Department

DR. VRK Women's College of Engineering & Technology
Moinabad.

R.R Dist

Sub:- Request for re-evaluation of mid-II
answer sheet

Respected Sir,

I, T. Jahnavi, bearing roll no. 22H85A0202
requests you for the re-counting of my mid-I answer
sheet of "Electrical Machines-II" subject with code
"EE462PC" conducted on 10/07/2023.

Please do the needful.

Thanking you

Yours Sincerely

T. Jahnavi

22H85A0202.


HEAD OF THE DEPARTMENT
ELECTRICAL & ELECTRONICS
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

forwarded to Mr. Riyaz
to recount the answers
paper and submit the
report.





Dr. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to J.N.T.U, Hyderabad.

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S.

B.Tech / M.Tech 2nd Year II Semester

MID-I Internal Exam

H.T. No.

2 2 H 8 5 A 0 2 0 2

NAME T. JAHANAVI

BRANCH: EEE

SUBJECT EM-II

DATE: 10/07/2023

Student Signature	<u>After Reevaluation</u> <u>24</u> <u>25</u>	Total Marks Obtained
<u>Janu</u>		8+10+4 = 22
Signature of Invigilator		Signature of Examiner
<u>[Signature]</u>		<u>[Signature]</u>

1. Ans: Differences between slip ring and squirrel cage Induction motor:

S.No.	Slip ring Induction motor	Squirrel cage Induction motor
1.	Rotor consists of three phase winding which is similar as that of stator.	Rotor consists of bars which are started at the ends with the help of end rings
2.		
3.	Slip rings and brushes	Slip rings and brushes are absent hence there

S.No:	Slip ring Induction motor	Squirrel Cage Induction motor
4.	Resistance can be added externally.	Resistance can't be added externally.
5.	High Starting torque is obtained.	Moderate Starting torque is obtained.
6.	Resistance is more	Resistance is less.
7.	Rotor copper losses are more and efficiency is low	Rotor copper losses are less and efficiency is more.
8.	It is Costly.	It is cheaper than the Slip ring I.M.
9.	It's construction is complex and maintenance is required.	It is robust and maintenance is easy.
10.	Used in lifts, hoists, cranes, elevators etc.	Used in lathes and blowers etc.

3. Ans: Crawling:-

In an induction motor when rated voltage is applied some harmonics are present. These harmonics produce harmonic fluxes in the gap

Current is produced just below $\frac{1}{7}$ th of the Synchronous Speed of the motor, which therefore causes high torque. If this torque produced are more than the torque produced by fundamental frequency, it causes Crawling of motor. In this the motor crawls at just below $\frac{1}{7}$ th of the Synchronous Speed.

Cogging:

When the motor refuses to start even the full load voltage is applied, it is called as Cogging. This happens when the rotor slots and stator slots are in same number. If there are integral multiples of stator & rotor then the reluctance of the space function is pronounced effect of stronger forces than the alternating torque. This makes opposition of stator and rotor and they were locked. In other words, Cogging is nothing but magnetic locking.



Multiple Choice: All questions carry equal marks		Marks 0.5x10=5M
1	An Induction motor works with A. DC only B. AC only C. Both AC and DC D. None of the above	1 [B]
2	The stator frame in an Induction motor is used to A. Hold the armature stampings in position B. Ventilate the armature C. Protect the Whole Machine D. Provide the return path for the flux	2 [A]
3	Use of fractional pitch winding A. Results in reduced leakage reactance B. Results in reduced axial length of the machine C. Makes it stiffer D. All of the above	3 [D]
4	The squirrel cage induction motors are provided with blades in order to A. Facilitate cooling of rotor B. Balance the rotor dynamically C. Eliminate noise D. None of the above	4 [A]
5	In an induction motor if the air gap is increased A. its speed will reduce B. its efficiency will improve C. its power factor will reduce D. its breakdown torque will reduce	5 [C]
6	In the circle diagram for Induction motor, the diameter of the circle represents A. Slip B. Rotor current C. Running Torque D. Line Voltage	6 [B]
7	The circle diagram for an induction motor cannot be used to determine A. Efficiency B. Power factor C. Frequency D. Output	7 [A]
8	Blocked rotor test on Induction motors is used to find out A. Leakage Reactance B. Power factor on short circuit C. Short-circuit current under rated voltage D. All of the above	8 [D]
9	DOL starting of Induction motors is usually restricted to A. Low horse power motors B. Variable speed motors C. High horse power motors D. High speed motors	9 [A]
10	In Star-Delta starter of an Induction Motor A. Resistance is inserted in the stator B. Reduced voltage is applied to the stator C. Resistance is inserted in the rotor D. Applied voltage per 1 stator phase is 57 percent of the line voltage	10 [D]

Fill in the Blanks: All questions carry equal marks

Marks 0.5x10=5M

11	The stator slots used in a 3 phase induction motor are usually of <u>semiclosed</u> type
12	Under operating conditions the rotor winding of a wound type induction motor is <u>short circuited</u> at the slip rings
13	The resultant flux developed by stator of a 3 phase induction motor is <u>1.5</u> the maximum value of flux due to one phase
14	The direction of rotation of an induction motor depends up on <u>phase sequence</u>
15	A 3 phase induction motor can achieve the maximum value of power factor to be <u>0.9</u>
16	Direct on line starter is normally used for starting of induction motors up to <u>4</u> kw rating
17	very large 3 phase induction motors are started by <u>Auto transformer</u> starter
18	Pole changing method of speed control is applicable only to <u>squirrel cage type</u> induction motor
19	When started by means of an auto transformer with 50 percent tapping, supply current at start of an induction motor is reduced to <u>3/4</u> of that when started by means of a star delta starter
20	In a variable frequency induction motor drive the voltage must be varied <u>indirectly proportional</u> to the frequency

DR. VRK WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Aziz Nagar(V), Moinabad(M), Ranga Reddy, 500075.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Subject Code : EE402PC

Subject Name : Electrical Machines – II

Date: 17.07.2023

RE-EVALUATION/RE-COUNTING ANSWER SCRIPT MARKS STATEMENT

Hall Ticket No.	Name of the Student	Before Re-evaluation/Re-counting	After Re-evaluation/Re-counting
22H85A0202	T. Jahanavi	22	24




HEAD OF THE DEPARTMENT
ELECTRICAL & ELECTRONICS ENGINEERING
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

Date: 23/6/2023

TO

The HOD

CSE Department

DR. VRK Women's College of Engineering & Technology
Mombabad
R.R. Dist

Sub: Request for re-writing Mid II Exam of
Organisational Behaviour Subject.

Respected Sir,

I, Fecha Naaz bearing rollno: 19H81A0506
request you for re-writing the exam of Organisation
Behaviour conducted on 19/6/2023. As I was suffering
from fever I couldn't write the exam on that day.
Hence I request you to grant me the permission
to re-write the exam.

Thanking you

Yours sincerely,

Fecha Naaz,

19H81A0506,

IV Year II Sem,
CSE.

Forwarded to
Dr. Seshathani.

[Signature]
23/6

[Signature]
23/6

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY





Dr. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to J.N.T.U, Hyderabad.

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S.

1st B.Tech / M.Tech IVth Year IInd Semester

Internal Exam H.T. No.

1	9	H	8	1	A	0	5	0	6
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NAME FECHA NAAZ BRANCH: C.S.E.

SUBJECT Organizational Behaviour DATE: 23-06-2023

Student Signature
Fecha Naaz
23/06/2023
Signature of Invigilator

Total Marks Obtained
4 + 19 = 23
Signature of Examiner
[Signature]

1 Ans

a) Formal communication:

- Formal channel is officially -prescribed path for the flow of communication between various positions in an organization.
- As prescribed it ensures the flow of communication is done orderly and also ensures the flow of communication is smoothly, accurately at the decision point.
- Formal communication as prescribed communication network can be of single chain or multiple chain.
- Informal communication:

defined as the

Called informal communication.

- Many people use informal communication as a supplement of formal communication.
- It is usually done verbally, social interactions and relationship among people.
- In informal communication, messages are quite fast & flexible.

	Formal Communication	Informal Communication
1. Definition	Formal communication defined as information is transferred with help of established organization channel	Defined as information is not transferred does not follow any rules & regulation in an organization
2. Nature of Communication.	It is done in indirect written document	It is done verbal talk or gestures.
3. Communication Medium.	It is done on written document	It is done verbally
4. Evidence	It is done in written document, so can be used as an evidence in future	It is done orally so, cannot be used as an evidence.
5. Chances of Misunderstanding	Communication is done in written document	Communication is done verbally so there are

Stability	It is rigid & stable	It is flexible & unstable
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Ans →

*> Power :-

According to Robbins, capacity of A to influence B behaviours. B acts in accordance with A wishes.

*> Authority

4 According to Henry Fayol's Authority is the ability to give orders and get the work done from others.

*> Influence :-

- Ability to influence others behaviour in specified direction.
- Authority & power are inter related, one cannot be used in absence of other.

	power	Authority	Influence
1. Definition	Ability to influence other's behaviours	Ability to give orders & get work done from others	Ability to influence other's behaviour in specified direction
2. Scope	The scope of power is broader	The scope of Authority is narrower	The scope of influence is broader
3. Dynamic	It is	It is	It is

4. Aspect	It is legitimate Aspect	It is Formal Aspect of Power	It is informal Aspect of power
5. Nature	the person who has power also has Authority	Not in hands of every individual Only at - Managerial or top position	depending upon individual characteristics. like skills technical knowledge etc.

ii) Group Think:

According to Janis (1982). Group think is agreement between people which results in wrong decisions.

→ Symptoms:

- Illusion of Unanimity:

They think that they are together "He".

- Stereotyping:

People who raise their voice. Pressurizes them and separates them behaves as enemy.

Dr.V.R.K. WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

B.Tech IV- Year II SEM II MID TERM (QUIZ) EXAMINATIONS, JUNE-2023

Subject: ORGANIZATIONAL BEHAVIOUR

MAX MARKS: 25 MARKS

Branch: CSE

Time: 1 hour

Hall Ticket No.: 19H81A0506 Name of the Student: FEEHA NAAZ

Multiple Choice: All questions carry equal marks

Marks 0.5x10=5M

- 1 Through _____ businesses can maintain close link with communities in the market 1 [A]
A. interactive communication B. effective communication
C. horizontal communication D. diagonal communication
- 2 The _____ is a type of intra personal conflict 2 [e]
A. mass conflict B. direct conflict
C. approach - approach conflict D. mediated conflict
- 3 People form group for _____ reason 3 [D]
A. power B. status
C. self esteem D. all of them
- 4 The _____ is one to which an individual really belongs 4 [A]
A. Reference group B. membership group
C. formal group D. informal group
- 5 Who developed the situational leadership model? 5 [B]
A. nadler and Tushman B. Koontz and O'Donell
C. Peter F Drucker D. Hersey and Blanchard
- 6 The _____ refers to interaction of forces between group members in a social situation 6 [D]
A. group dynamics B. group cohesiveness
C. group think D. group information
- 7 Under _____ decisions which are supported by majority in the group will be considered 7 [B]
A. Truth-wins scheme B. majority wins scheme
C. Two-Thirds majority scheme D. First shift rule
- 8 The phases of decision making process includes 8 [D]
A. intelligence activity B. design activity
C. choice activity D. all of them
- 9 Which theories of leadership focuses that leadership is an exchange process between 9 [A]
A. Group and exchange B. Path-goal
C. Contingency D. None of the above
- 10 Authentic leader approach is proposed by 10 [A]
A. Avolio and Luthans B. Hersey and Blanchard
C. nadler and Tushman D. Koontz and O'Donell

Fill in the Blanks: All questions carry equal marks

Marks 0.5x10=5M

- 11 In Informal communication messages travels fast and quite flexible.
- 12 The Group is a collection of two or more individuals who work together.
- 13 Doctor is an example of expert power.
- 14 In Meta approach leader should be trained using a learning based model.
- 15 Theorist Locke has proposed a goal setting theory of work motivation.
- 16 Fielder has developed three contingency dimensions i.e., Leader - member relations, task structure & Leader-Member Exchange.
- 17 The relaxation technique is used to overcome stress with the help of meditation.
- 18 The Creativity is the process of combining the ideas of individuals and groups in an innovative way.
- 19 The Power refers to ability of individual to influence others.
- 20 Interactive conflict consists of Inter Personal and Inter Group conflict.