Concept of stress can be approached from three different perspectives

- (1) Stimulus: stress is seen as an external event (stimulus: Focus an identifying & studying the stressors - the specific events, conditions or situations that have the potential to induce stress. Stressors can be physical, psychological or social in mature. The emphasis is an understanding how these stressors impact individuals & their well being.
- (ii) Response: Stress is considered as response to stresson. Researchers investigate the physical & psychological reac's / strains that individuals experience as a result of exposure to stressous. physiological changes -> 1 heart rate, 1 costisol levels emotional rans -> anxiety, foustation behavioral changes -> avoidance, coping strategies.
- (iii) process: dynamic process involving ongoing interactions and adjustments between an individual & their env. This acknowledges that stress is not a one-time event but rather to a continuous, evolving experience. transac": interac" & adjustment

Definition of Stress is the condition that results when person - environment transactions lead to a perceived discrepancy between the demands of a situation and the resources of the person's biological, psychological & social Appraisals: (topil) to und apose so (topil)

Cognitive appraisal is a mental process by which people assess two factors

- (i) whether a demand threatens their physical psychological well being (primary)
 (ii) resources available for meeting the demand. (secondary appraisal)

Primary appraisal: It produces one of three judgements

- Inelevant: In some cases, individuals may appraise a situation as inclavant i.e, it has no significant impact on their well being = unlikely to induce stress.
- · Good: A situation is appraised as good, when it is seen as beneficial or positive & is unlikely to result in stress
- · Stressful: A stressful appraisal occurs when a person perceives a demand or situation as potentially harmful, threatening or challenging. Stage where stress begins to manifest -

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Secondary Appraisal.

Ly takes place only when a cituation is approised as stressful during primary appraisal The assessment includes:

- · Haam/Loss: amt of damage that has already occurred
- · Threat I future hasm: expectation of future hasm (negative consequences resulting from the cituation.
- · Challenge: oppustunity to achieve growth, mostery or profit by using more than routine resources to meet a demand.

Factors influencing cognitive appraisal:

Inhether a person appraises a situation as stressful depends on a combination of individual and situational factors.

Individual factors: intellectual, motivation, personality characteristics Self esteem and Belief system.

Situational factors: strong demands, imminence, undesirability, major life transitions, timing in the life span

Stressors produce strain.

In emergency rituations or when faced with acute stressors, the body offer initiates a physiological response known as fight or flight run.

This response prepares the individual to either confront the threat (fight) or escape from it (flight).

General Adaptation Syndrame (GAS)

- a describes the body's response to stressors.
- = consists of three stages:
- · Alarm stage: body reacts to stressor by mobilizing its resources
- · <u>Pesistance stage</u>: if the stressor persists, body enters resistance stage. where it attempts to cope with the ongoing stress.
- body enters exhaustion stage, where its resources are depleted and it becomes susceptible to various health problems.

Diseases of Adaptation!

Seyle suggested that prolonged exposure to high levels of stress can make individuals vulnerable to diseases of adaptation. These are simply health problems that can result from the body's attempt to adapt to chronic stress.

Eg: ulcers, high blood pressure.

Allostatic load:

- => cumulative wear & tear on the body from resulting from ongoing or repeated stress responses (overall total of physiological out to all stressors)
- => better than the magnitude of the response to any single stressor.
- => Factor affecting allostatic load:
 - · exposure to stressors: How often an individual is exposed to stressors
 - · Reactivity: How strongly an individual's body reacts to stressors.
 - · Recovery: How effectively an individual's body returns to the state of equilibrium after stress.
 - · Restration: activities like sleep, nutrition, exercise & relax" techniques that help body recover from the effects of stress.

leasonal control

psychosocial factors linked to stress:

- = impair cognitive functioning
- => reduce people's helping behaviour plandages A
- ⇒ increase their aggressiveness
- => Associated emotions like fear, anniety, stress & depression, anger

Sources of Stress !

- · Internal factors: when they are ill / experiencing an emotional termoil
- · Family dynamics: manifal conflicts, serious illnesses or death of a family member
- · caregiving responsibilities: responsible for children/elderly relatives.
- · Parenting: child with a difficult temperament can be stressful for parents.
- · Community & Society: job related stress, environmental conditions, qualities of neighbourhood & the experience of discrimination

Measuring Stress:

Pesearchers employ various methods to measure stress like

- · physiological assessments (eg. BP, heastrale)
- · biochemical analyses (e.g. contisol & catecholamine levels in blood or wine)
- · surveys that gauge individual's experiences of life events, dally hassles & chronic stressors.

Psychosocial factors that modify the impact of stress

Social support: comfort, caring, set esteem a help a person actually receives or simply perceives as available from others.

four types of support.

- · emotional or esteem
- · tangible or instrumental: help with tasks, financial aid.
- · informational: providing advice, quidance or inform?
- · companionship : simply being present and spending time with someone
- personal control: includes belief about one's locus of control i.e, whether control is internal or external to the person and self efficacy.

acquiring personal control: develop personal control through their experience both successes and failures

personal control & capability of marging stress. signing sales

learned helplessness: a situation where individuals believe they have no control over their circumstances, even when they do.

Attribution: cognitive process where individuals assign courses or reasons to events in their lives.

-terized by a sense of commitment, control and challenge.

five factor model of personality can help to organize the growing list of personality traits that modify stress.

(Openness, Conscientiousness, Entraversion, Agree ableness and Neurotiaism).

- => people's tendency towards either Type A or Type B behaviour:
 - Type A behaviour: competitive achievement orientation time urgency anger [hostility vigorous | controlling vocal style.

compared with Type Bs, Type A individuals respond more quickly and strongly to stressors. Anger hostility is the component of this pattern that is most closely associated with the development of coronary heart disease (CHO) and hypertension.

Effects of chronic stress:

engage in health compromising behavious: chronic stress can lead individuals to

Eg: 1 alcohol & cigarette use
poor dietary choices.

health issues caused include cardiovascular problems & compromised immune function

Physiological Effects: Chronic stress triggers physiological responses in the body, including the release of stress-related hormones like catecholamines (e.g. advendine) and corticosteroids (e.g. cartisol).

prolonged exposure to these hormones to harm the heart & blood vessels, leading to hypertension & CHD (coronary heart disease)

physical effect of stress = impair healing of wounds

psychoneuro immunology focuses on how psychosocial processes and the
nervous, endocrine and immune systems are interrelated.

Stress -> ulcers, inflammatory bowel disease, writable bowel syndrome, asthma & tension-type & migraine headache.

hypertension, CHD and may also affect cancer.

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Physiological Response to Stress; (Cannon (1732))

Autonomic Nervous System

Sympathetic (active in condns)
resvous system (of stress)

person is parasympathetic calm? mervous system

triggers discharge of two hormones called adrenatine & novadrenative

enka blood stream & circulate to all the parts of the body.

Adrenatine -> reaches liver -> mobilise glucose into -> supplies entra energy
blood
heart beat faster

-> constrict peripheral -> increase in the blood vessel blood pressure

our body's resources are mobilised in two ways:

- () activation of the sympathetic meavous system
- (11) anterior pituitary gland.

stress -> 1 activity in the limbic system -> activates hypothalamus to secrete costico trophin releasing hormone (CRH)

confised to release secretes simulates phutary gland undertakes - confised 8 Adveno confico trophic hormone (ACTH)

function conficosteroids

sends feedback

produces

metabolic

effects to

facilitate

fightor flight

oran

sends feedback

to hypothalamus

Explicitate

to stop producing

excessive

cortisol.

Sources of stress:

- · Environmental stress (uncomfortable physical environments)
- Change-Induced stress (major life changes, include tre ones)
- · Personality related stress (law self esteem, fear of failure | judgement)
- Interpressonal issues (close relationships & emotional affactments)
- · Shess caused by system values (families, workplaces, educational institution)
- · Competition induced stress (edmang students)
- Shress in public offices (among colleagues)

Coping Styles & Strategies

overall disposition of an individual in responding to stressful events

specific technique/approach used to deal with stress in a particular estuation.

with age & experience - individuals develop a broader range of coping strategies

flenible Vs eigid coping styles

many coping strategies for vagious situations

relies on a limited set of strategies for different stressors

Proactive Vs avoidant coping styles.

confronting stress directly, planning ahed & tabing preventive action

minimuze or avoid dealing with the stressor

Five stages for proactive coping (Aspinwall & Taylor (1997))

- Resource accumulation
- · recognition of potential stressous
- · Initial appraisal
- · Preliminary coping efforts
- · Elimination & use of feedback