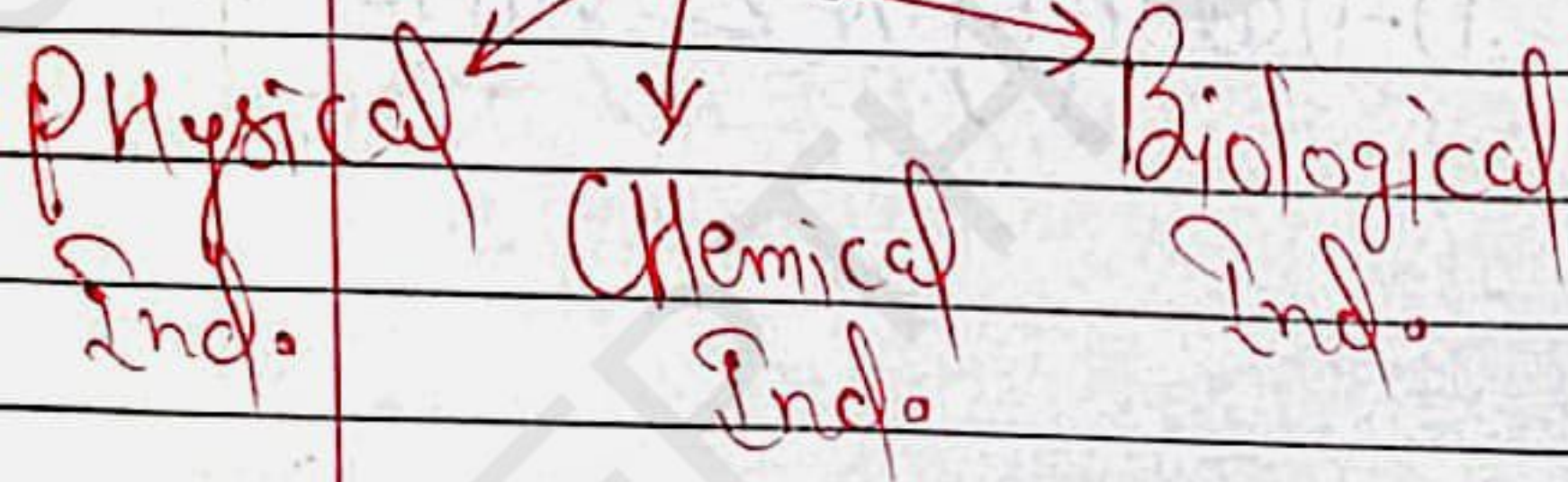


Identity Indicator \Rightarrow Define the efficiency of



Any Sterilisation Process.

[DEPTH OF BIOLOGY]

⑨ Physical Ind. \rightarrow The display on the sterilizer or we

can buy a recording device that print the parameter

like temp. & press. associated with each sterilisation

cycle. (This indicator are consider as Phys. Ind.).

The correct reading of the Physical Indicator do not

Guaranty sterilisation.

\Rightarrow But if incorrect \rightarrow Indication problem with sterilisation cycle

\rightarrow & head may not be sterilise.

[DEPTH OF BIOLOGY]

Page No.



Date / /

Method

Device

(a) Dry Heat Ster. Temp. record. Chart.

(b) Moist Heat Ster. " "

(c) Gaseous Ster. " [DEPTH OF BIOLOGY] "

(d) Radiation Ster. Recording Charts.

(e) Filtration Ster. Bubble point Pressure test.

(b) Chemical Ind. ⇒ These are the chemical subst. used in the process of ster. in order to indicate that the process of sterilisation is going as per requirement. Or it may indicate that the product are sterile.

change colour

Eg ⇒ Depend upon the ster. process.

[DEPTH OF BIOLOGY]

(i) The Chemical Indicator that are used dry or Moist Heat sterilisation. May Melt or change its colour only when satisfactory condition for ster. prevails. This confirm the successful completion of ster. cycle.

[DEPTH OF BIOLOGY]

② In case of Gaseous Stero. Boyach Sacket is used. It is an Indicator paper which is soaked with reactive chemical. Its Job is to show a colour change & Indicate the Prevailing condition. [DEPTH OF BIOLOGY]

③ Biological Indicator \Rightarrow
Here we use standardised Bacterial spore used in the form of suspension in water or Culture Media or its spore dried on paper or plastic (& kept in sterilizer).

\Rightarrow The Bacterial spore are selected as per the process being used for sterilisation. Like spore of *Bacillus subtilis* is used as Biological Indicator in dry heat stero. process to determine D-Value. [DEPTH OF BIOLOGY]

\Rightarrow & *Bacillus thermophilus* (used as an Indicator) in Moist heat stero. [DEPTH OF BIOLOGY]

Method	Principle	Microorg.	Parameter
Dry Heat	Temp. Sensitive Microbes.	Bacillus subtilis	D-Value
Gaseous	" [DEPTH OF BIOLOGY]"	"	"
Moist Heat.	"	Bacillus stearo Thermophilus	"
Radiation	Radiation sens. microbe	Bacillus pumilis.	"
Filtration	Retention of Bact. [DEPTH OF BIOLOGY]	pycoclavella diminuta	Size of microorg.