

LIFELINE INSTITUTE OF PHYSIOTHERAPY

THIRD INTERNAL EXAMINATION

Subject- ELECTROTHERAPY

Time: 15min

Date:

INSTRUCTIONS: Read each statement carefully and ENCIRCLE the LETTER of the correct answer.

MULTIPLE CHOICE QUESTIONS

1×10=10 Marks

1)Wavelength of Ultraviolet rays are

- (a) 0.1 mm-100 km
- (b) 10 nm-400 nm
- (c) 750 nm-1200 nm
- (d) 400 nm-750 nm.

2)UVR is used

- (a) Read invisible reading
- (b) Forged documents
- (c) Finger print
- (d) All the above

3)UV Rays are rays lies between

- (a) X-ray & Gamma rays
- (b) X-rays & Visible rays
- (c) X-rays & Infrared rays
- (d) Visible rays & Heat radiations

4) Microwaves are a form of electromagnetic radiation, which lies between

- (a) Gamma rays & X-rays
- (b) X-rays & Ultraviolet rays
- (c) Short waves & Infra-red rays
- (d) Visible light & Infra-red rays

5)Ultraviolet rays lie between in the electromagnetic spectrum.

- (a) Visible light & Infra-red rays
- (b) Visible light & X-rays
- (c) Short waves & Infra-red rays
- (d) Gamma rays & X-rays

6) High-pressure mercury vapour lamp ----- gas is filled at low pressure in the U-tube.

- (a) Argon
- (b) Helium
- (c) Neon
- (d) Radon

7) Tridymite is formed due to some of the changing to other form of silica.

- (a) Quartz
- (b) Mercury
- (c) Argon
- (d) Crystal

8) The Kromayer lamp is surrounded by circulating distilled water to absorb

- (a) Long UV rays
- (b) Short UV rays
- (c) Infra-red rays
- (d) Visible light

9) In PUVA apparatus, the treatment is usually given after the patient has taken the drug Psoralen.

- (a) 1 hour
- (b) 2 hours
- (c) 3 hours
- (d) 4 hours

10) Minimal Erythematous Dose (MED) refers to,

- (a) E0dose
- (b) E2dose
- (c) E3dose
- (d) E1dose

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SECOND INTERNAL EXAMINATION

Subject- ELECTROTHERAPY

Time: 1 hour 15 min

Date:

SHORT ANSWER QUESTIONS (any 4)

4×5=20 Marks

1. Explain the Luminous and Non-luminous IRR generators and write contraindications of IRR.
2. Describe the construction of UVR lamp. Describe the production of UVR lamp . Add note on Tridymite formation.
3. Write production of LASER it's types and properties.
4. Define Biofeedback and principles of biofeedback and write down its indication and contraindications.
5. Describe the different types UVR lamps and testing of the UVR machine.