

Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

- 1) Electromagnetic radiation []
 A) Produces a time varying magnetic field and vice versa (B) once generated, remains self- propagating.
 (C) Once generated, remains self-propagating. (D) consists of magnetic and electric fields
- 2) Which one of the following frequency regions is a part of sun's radiation? []
 (A) Ultraviolet frequency region (B) Visible frequency region (C) Infrared frequency region (D) Radio frequency region
- 3) A perfectly black body []
 (A) is a diffuse emitter (B) absorbs all the radiations of every wave lengths (c) emits power of every wave length (D) All the above
- 4) The most widely used antenna in GPS is []
 (A) Paraboloid antenna (B) Micro strip antenna (C) Horn antenna (d) Slotted antenna
- 5) The length of the tangent of a simple curve of radius R and angle of deflection I is given by. []
 (a) $R(\cos I/2)$ (B) $R \sin (I/2)$ (C) $R(\tan I/2)$ (D) none of the above
- 6) If the degree of curve (Specified length 30 M) is 3° , the radius of the curve is approximately []
 (A) 382 m (B) 573 m (c) 1910 m (d) none of the above
- 7) The figure is most commonly used in triangulation is []
 (A) Braced Quadrilateral (B) Quadrilateral with a centre point (C) Quadrilateral with one diagonal
- 8) A satellite station is required when a main station []
 (A) Cannot be sighted (B) cannot be occupied (C) both A & B
- 9) The elevated towers are used for []
 (A) Signals (B) instruments (C) both A & B
- 10) Which one of the following is carried out by two theodolite method? []
 (A) Circular curve ranging (B) tachometric surveying (C) Geodetic survey (D) Astronomical survey
- 11) Uses of total station-----
- 12) Expand EDM,RS,GIS-----
- 13) Types of signals used in Triangulation -----
- 14) Methods of setting out of curve-----
- 15) Reverse curve is also called as-----
- 16) What is mean by azimuth-----
- 17) Draw double chain of triangles-----
- 18) Length of curve formula -----
- 19) Define base line-----
- 20) Mid ordinate formula-----