

16.	Which is non-magnetic material (A) Nickel (B) Cobalt (C) Aluminium (D) None of these
17.	Tap changing facility is generally provided on (A) high voltage transformers (B) distribution transformers (C) current transformers (D) step up transformers.
18.	The heat generated in the transformer is dissipated to the surroundings mainly by (A) conduction (B) convection (C) radiation (D) all of the above.
19.	Oil for transformer cooling should have low (A) dielectric strength (B) viscosity (C) flash point. (D) None
20.	In a multiple V- belt drive, if one of the belt is broken, then we should replace a) the broken belt and the belts on either side of it b) the broken belt only c) all the belts d) none
21.	Light waves travel with a velocity of (A) 3×10^{10} cm/s (B) 3×10^{12} cm/s (C) 3×10^{15} cm/s (D) 3×10^{18} cm/s.
22.	A zener diode is used as a) amplifier b)voltage regulator c) rectifier d) multivibrator
23.	Candela is the unit of (A) Luminous flux (B) Luminous intensity (C) Wavelength (D) None of the above
24.	A heat sink is generally used with a transistor to a)increase current b) decrease current c) compensate for excessive doping for d) prevent excessive temperature rise
25.	Illumination level required for precision work is around (A) 50 lm/m ² (B) 100 lm/m ² (C) 200 lm/m ² (D) 500 lm/m ² .
26.	Which of the following lamp gives nearly monochromatic light ? (A) Sodium vapor lamp (B) GLS lamp (C) Tube light (D) Mercury vapor lamp.
27.	A circuit breaker is (A) power factor correcting device (B) a device to neutralize the effect of transients (C) a waveform correcting device (D) a current interrupting device.
28.	The medium employed for extinction of arc in air circuit breaker is (A) SF ₆ (B) Oil (C) Air (D) Water.
29.	Which of the following is not a type of the contactor for circuit breakers ? (A) Electro-magnetic (B) Electro-pneumatic (C) Pneumatic (D) Vacuum
30.	Boosters are basically (A) inductors (B) capacitors (C) transformers (D) synchronous motors.
31.	Which of the following essential features is possessed by an indicating instrument a) deflecting device b) controlling device c) damping device d) all of above
32.	Which of the following devices may be used for extending the range of instruments a) shunt & multiplier b) current transformer c) potential transformer d) all of above
33.	Which of the following meters are not used on D.C circuits a) mercury motor b) commutator motor c) induction meters d) none meters
34.is an instrument which measure the insulation resistance of an electric circuit relative to earth and one another a) tangent galvanometer b) Meggar c) current transformer d) none
35.	Basically a potentiometer is a device for a) comparing two voltages b) measuring a current c) comparing two currents d) measuring a voltage
36.	The most common cause of acidity in water is a) carbon dioxide b) oxygen c) hydrogen d)nitrogen

37.	Which of the following values of pH represents a stronger acid a) 2 b) 5 c) 7 d) 10
38.	The fact that a conductor carries more current on the surface as compared to core, is known as (A) skin effect (B) corona (C) permeability (D) unsymmetrical fault.
39.	Synchronous motor can operate at (A) Lagging power factor only (B) Leading power factor only (C) Unity power factor only (D) Lagging, leading and unity power factor only.
40.	In case the field of a synchronous motor is under excited, the power factor will be (A) leading (B) lagging (C) zero (D) unity.
41.	In a series two bulb 100 watt and 50 watt are connected. Which bulb is glow highly (A) 100 watt (B) 50 watt (C) both (D) None
42.	The power factor of an alternator depends on (A) Load (B) Speed of rotor (C) Core losses (D) Armature losses.
43.	The frequency of voltage generated in an alternator depends on (A) number of poles (B) rotative speed (C) number of poles and rotative speed (D) number of poles, rotative speed and type of winding.
44.	Which of the following is considered as superior quality of coal ? (A) Bituminous coal (B) Peat (C) Lignite (D) Coke.
45.	The number of slip rings in a single phase synchronous converter will be (A) 1 (B) 2 (C) 3 (D) None.
46.	Which of the following protect a cable against mechanical injury a. Bedding b. Sheath c. Armouring d. none
47.	In case of three core flexible cable the colour of the neutral is a. Black b. Blue c. Red d. None
48.	PVC stands for a. Polyvinyl chloride b. Post varnish conductor c. Pressed and varnished cloth d. None
49.	The capacity of a battery is expressed in terms of a. Current rating b. Voltage rating c. Ampere -hour rating d. None
50.	During charging the specific gravity of the electrolyte of a lead- acid battery a. Increase b. Decrease c. Remain same d. Become zero
गणित- 10 अंक भाग-2	
51.	3 houses are available in a locality. 3 person apply for the houses. Each applies for one house the probability that all 3 will get same house is.. a) 5/9 b) 1/9 c) 8/9 d) 4/9
52.	Find two numbers whose sum is 24 and product is 143 a) 13,11 b) 12,12 c) 8,16 d) none
53.	Find consecutive odd positive integers, sum of whose squares is 290 a) 13, 15 b) 11,13 c) 7,9 d) 5,7
54.	A rectangular park has perimeter 80m and area 400sqm. Find its length and breadth a) 40,10 b) 20,20 c) 16,25 d) none
55.	Find two consecutive numbers whose squares have the sum 85 a) 6,7 b) 6,9 c) 6,8 d) none
56.	20% of 2 is equal to a) 20 b) 4 c) 0.4 d) 0.04
57.	Value of Sin 90 is a) 1 b) 2 c) 3 d) 4
58.	If a car travels at an average speed of 25 m/s then average speed in km/h is a) 96 km/h b) 90 km/h c) 95 km/h d) 85 km/h
59.	Number of significant figures in value 0.0891 are a) four b) five c) two d) three

60.	In following sequence 79,76,73,70, next three numbers in sequence are a) 65,62,59 b) 67,64,61 c) 68,65,63 d) 66,63,60
अंग्रेजी भाग-3	
61.	<i>Fill in the blanks, Sita is in Height as compare to Rita :</i> a. Taller b. Longer c. Bigger d. None
62.	A person who renounces the world and practices self-discipline in order to attain salvation: a. Theist b. Heretic c. Atheist d. Fanatic
63.	The doctor _____ an operation. (a) do (b) performed (c) is performed (d) done
64.	I always prefer coffee Tea. a. To b. Over c. For d. By
65.	Strong and powerful woman is called. a. Amoyan b. Altimeter c. Alluvial d. Altruist
66.	Never <i>neglect</i> the ideals of elders, rather alwaysthem. fill in the blanks. a. Praise b. Cherish c. Follow d. Grasp
67.	Synonym of ABSOLUTE is a. InComplete b. Complete c. Both d. None
68.	Antonym of CONSENSUS is a. Agreement b. Disagreement c. Quality d. Special case
69.	ABERRATION : ANOMALY Auspicious : Cacophony : euphony Eclectic : gifted Fallow : badly felt favourable
70.	CALCULUS : MATHEMATIC Physics : Chemistry Mathematics : Science Book : Pencil College : University
हिन्दी भाग-4	
71.	कुरूप का विलोम शब्द लिखे अ. काला ब. भूरा स. सुन्दर द. स्वच्छ
72.	कठोर का विलोम शब्द लिखे अ. कठिन ब. सरल स. मुलायम द. अत्यधिक
73.	'चारु चन्द्र की चंचल किरणे खेल रही हैं जल थल में' कौन सा रस है अ. वीर ब. श्रृंगार स. करुण द. भय
74.	अपने मुँह मियां मिट्टू होना मुहावरे का अर्थ क्या है। अ. वाह वाही करना ब. अपनी तारीफ खुद स. अपने में रहना द. किसी की न सुनना करना
75.	जिसको किसी भी चीज का मोह न हो। अ. अज्ञानी ब. निर्माही स. निर्भीक द. निर्विघ्न
76.	मुण्डकोपनिषद् क्या है। अ. फिल्म ब. बॉयोग्राफी स. आत्मकथा द. काव्य
77.	हिन्दी किस लिपि में लिखी जाती है अ. राजभाषा ब. गुरुमुखी स. अवधी द. देवनागरी
78.	जलज किसका पर्यायवाची है अ. कमल ब. आकाश स. करुण द. भय
79.	अंलकार कितने प्रकार के होते हैं अ. 6 ब. 2 स. 5 द. 7
80.	हिन्दी नववर्ष कब शुरू होता है। अ. बसन्त पंचमी ब. चैत्र नवरात्र स. मकर संक्रान्ती द. लोहड़ी
81.	हिन्दी दिवस कब मनाया जाता है। अ. 14 अक्टूबर ब. 14 नवम्बर स. 14 सितम्बर द. 14 दिसम्बर

