## M. Tech. (Energy and Environmental Management)

1.	Which term includes all the others	in the	list ?
	(A) Monosaccharide	(B)	Carbohydrate
	(C) Polysaccharide	(D)	Starch
2.	Which of the following is not a pro-	otein '	
	(A) Haemoglobin	(B)	Cholesterol
	(C) An enzyme	(D)	Insulin
3.	The structural level of a protein least is the :	affect	ed by a disruption in hydrogen bonding
	(A) Primary level		
	(B) Secondary level		
	(C) Tertiary level		
	(D) Quaternary level		
4.	Light waves are:		
	(A) Transverse wave		
	(B) Longitudinal wave		
	(C) E.M. wave		
	(D) Both (A) and (C)		
5.	Which of the following has highest	elasti	city ?
	(A) Rubber	(B)	Plastic
	(C) Steel	(D)	Copper
(5)	M-CL-10(EEM)	1	P.T.O.

	(A) 1	(B)	0.5
	(C) $-0.5$	(D)	- 1
7.	The potential energy per unit volun strain shall be equal to :	ne for	a body strained under a longitudinal
	(A) $1/2$ ( stress × strain)	(B)	stress × strain
	(C) $1/2 \text{ stress} \times (\text{strain})^2$	(D)	stress $\times$ (strain) <sup>2</sup>
8.	If wavelength of light emitted by LED LED is around:	ED is	600 nm, then band gap of material of
	(A) 1.0 eV	(B)	1.5 eV
	(C) 2.0 eV	(D)	2.5 eV
9.	The energy band in which free elect	rons (	exist is the :
	(A) First band	(B)	Second band
	(C) Conduction band	(D)	Valence band
10.	A diode that has a negative resistan	ce cha	aracteristic is the :
	(A) Schottky diode	(B)	Tunnel diode
	(C) Laser diode	(D)	Hot-carrier diode
11.	The JFET is:		
	(A) a unipolar device		
	(B) a voltage-controlled device		
	(C) Both (A) and (B)		
	(D) a current-controlled device		
(5)N	Л-CL-10(EEM)	2	

The maximum value of Poisson's ratio can be:

6.

12.	In a common base configuration, if t is 0.99, then base current is :	he em	itter current is 10 mA and current gain
	(A) 0.1 mA	(B)	9.9 mA
	(C) 0.99 mA	(D)	10 mA
13.	If current gain of a transistor in corgain common emitter configuration		base configuration is 0.99, then current e:
	(A) 100	(B)	99
	(C) 98	(D)	200
14.	Most of the ejected electrons in pho	otoelec	etric effect are :
	(A) K-shell electrons		
	(B) L-shell electrons		
	(C) M-shell electrons		
	(D) Outermost shell electrons		
15.	Compton wavelength of the electron	is:	
	(A) 0.02426Å	(B)	0.02426 nm
	(C) 0.02426 μm	(D)	0.02426 mm
16.	The wavelength associated with an early 20V is:	electro	n subjected to a potential difference of
	(A) 2.75 nm	(B)	2.75Å
	(C) 5 nm	(D)	5Å
17.	If the K.E. of a proton and electron	is same	e, then de-Broglie wavelength of proton
	is:		
	(A) Greater than electron	(B)	Less than electron
	(C) Equal to electron	(D)	Can't say anything
(5)N	Л-CL-10(EEM)	3	P.T.O.

	(A)	Negatively charged particles			
	(B)	Positively charged particles			
	(C) Neutrons				
	(D)	E. M. radiation			
19.	Usin	g X-rays of 2.29 Å, the first to	wo ref	elections have Bragg angles of 30.06°	
	and	65.51°, the Bragg's angle for th	ird ref	election is:	
	(A)	68.1°	(B)	75.9°	
	(C)	89.9°	(D)	No third reflection	
20.	Gen	etic mutation occurs at :			
	(A)	DNA	(B)	RNA	
	(C)	Proteins	(D)	Nucleus	
21.	Whi	ch of the following is common	to pla	nt and animal cell ?	
	(A)	Chloroplast			
	(B)	Mitochondrion			
	(C)	Wall made up of cellulose			
	(D)	Tonoplast			
22.	Whi	ch of the following structure-fur	nction	pairs is mismatched ?	
	(A)	Nucleolus; ribosome production			
	(B)	Lysosome; intracellular digestion	n		
	(C)	Ribosome; protein synthesis			
	(D)	Microtubule; muscle contraction	ı		
(5)M	l-CL-	-10(EEM)	4		

**18.** X-rays are :

(5)ľ	5)M-CL-10(EEM)	5 P.T.O.	
	(D) A relatively high protein	n content in the membrane	
	(C) A lower temperature		
	(B) A greater proportion of	saturated phospholipids	
	(A) A greater proportion of	unsaturated phospholipids	
26.	. Which of the following factor	ors would tend to increase membrane fluidity?	
	(D) Facilitated diffusion		
	(C) Passive transport		
	(B) Diffusion of solute acros	ss a membrane	
	(A) Osmosis		
25.	. Which of the following proce	ess include all the other ?	
	(D) Bacterial cell		
	(C) Phagocytic white blood	cell	
	(B) Nerve cell		
	(A) Muscle cell		
<b>⊿</b> 7•	Lysosome?	productly provide the best opportunity to study	
24.	` <i>'</i>	probably provide the best opportunity to study	
	(D) Lysosome		
	(C) Endoplasmic reticulum		
	(B) Ribosome		
	(A) Mitochondria		
	expected to be found within	of a cell to cyanide, most of the cyanide could be	
23.	•	one of the molecules involved in the production of	

	evo	lved early in the history of life	?				
	(A)	They are seen in primitive cells	s such	as yeast			
	(B)	Signal transduction molecules similar	foun	d in distantly r	elated	organisms	are
	(C)	Signal can be sent long distance	ces by	cells			
	(D)	Most signals are received by si	ignal r	eceptors			
28.		sphorylation cascades involving ular signal transduction because		ies of protein k	kinases	are useful	for
	(A)	They are species specific					
	(B)	They amplify the signal manifo	old				
	(C)	They counter the harmful effect	t of p	hosphatases			
	(D)	They always lead to same cellu	ılar re	sponse			
29.	Bas	ic unit of proteins are :					
	(A)	Fatty acid	(B)	Amino acid			
	(C)	Glucose	(D)	Peptides			
30.	Мус	oglobin is :					
	(A)	Protein with primary structure	(B)	Protein with se	condary	structure	
	(C)	Protein with tertiary structure	(D)	Protein with qu	aternar	y structure	
31.	DN.	A is the genetic material in :					
	(A)	In some viruses, prokaryotes ar	nd euk	aryotes			
	(B)	Only in eukaryotes					
	(C)	Prokaryotes and eukaryotes					
	(D)	Only in prokaryotes					
(5)N	/I-CL	-10(EEM)	6				

27. Which of the following provides the best evidence that cell signalling pathways

32.	The basic repeating unit of DNA is:		
	(A) Nucleoside	(B)	Histone
	(C) Nucleotide	(D)	Amino acids
33.	The synthesis of glucose from fats i	s kno	wn as :
	(A) Glycolysis	(B)	Kerb cycle
	(C) Saponification	(D)	Gluconeogenesis
34.	Extra nuclear DNA is found in :		
	(A) Chloroplast		
	(B) Mitochondria		
	(C) Chloroplast and mitochondria		
	(D) Endoplasmic reticulum		
35.	ATP formation takes place in :		
	(A) Chloroplast	(B)	Lysosome
	(C) Ribosome	(D)	Mitochondria
36.	The most abundant molecule on the	earth	:
	(A) Protein	(B)	Carbohydrate
	(C) Fat	(D)	Nucleic acid
37.	The average number of neutrons rele	ased t	by the fission of one uranium atom is:
	(A) 3	(B)	2.5
	(C) 2	(D)	1
(5)N	/I-CL-10(EEM)	7	P.T.O.

38.	The energy released by the fission	of one u	aranium atom is 200 MeV. The number
	of fissions per second required to	produce	e 3.2 W power is:
	(A) $10^{17}$	(B)	$10^{15}$
	(C) $10^{13}$	(D)	10 <sup>11</sup>
39.	In fission of U-235, the percenta	ge of ma	ss converted into energy is about :
	(A) 0.1%	(B)	1%
	(C) 5%	(D)	15%
40.	What is the main source of energy	gy of sur	1 ?
	(A) Fission of heavier unstable	element	
	(B) Combustion of pure carbon	present i	n the Sun
	(C) Nuclear fusion of light elem	nents	
	(D) Energy liberated during the	slow con	traction of the Sun
41.	Which layer of atmosphere is near	arest to I	Earth ?
	(A) Stratosphere	(B)	Troposphere
	(C) Mesosphere	(D)	Ionosphere
42.	The way/s by which heat from the	he sun re	eaches the earth is/are :
	(A) Conduction	(B)	Convection
	(C) Radiation	(D)	Both (A) and (C)
43.	Brass is an alloy, which consists	of:	
	(A) Zinc and Sulphur		
	(B) Zinc and Copper		
	(C) Copper and Sulphur		
	(D) Zinc and Magnesium		
(5)N	Л-CL-10(EEM)	8	

44.	The absorption of ink by a blotting	paper	is based on :
	(A) Capillary action		
	(B) Bernoulli's theorem		
	(C) Newton's third law of motion		
	(D) Pascal's law		
45.	The centre of earth is estimated to	have	a high temperature of about :
	(A) 9,000 K	(B)	4,000 K
	(C) 6,000 K	(D)	10,000 K
46.	How much is the average temperate	ure at	depth of 10 km of earth surface ?
	(A) 200°C	(B)	900°C
	(C) 650°C	(D)	20°C
<b>47.</b>	A geothermal solution containing ap	preciab	ole amounts of sodium chloride or other
	salts is called as:		
	(A) Fluids	(B)	Brine
	(C) Solvent	(D)	Magma
48.	A spring that shoots jets of hot wa	iter an	d steam into the air is called as :
	(A) Mine hole	(B)	Geyser
	(C) Hot spring	(D)	Mud pot
49.	Water boils underground in a hydrot	therma	l when it has pressure of aboutatm
	and temperature of about°	C.	
	(A) 3, 100	(B)	5, 120
	(C) 6, 140	(D)	7, 165
(5)N	Л-CL-10(EEM)	9	P.T.O.

50.		which of the following type(s) lium?	of pla	ant(s) refrigerant is used as working
		Vapor dominated plant		
	` ′	Liquid dominated high tempera	ature p	blant
	(C)	Liquid dominated low tempera	ture pl	lant
	(D)	All of the above		
51.	Не	w much deep the earth should	be dril	lled for reservoirs ?
	(A)	1 km	(B)	1.5 km
	(C)	1.6 km	(D)	1.7 km
52.	Dry	steam geothermal energy genera	ıtor tak	xes steam out ofin the ground.
	(A)	Fractures	(B)	Rocks
	(C)	Magma	(D)	Water
53.	Mo	ost of the future geothermal pov	ver pla	ants will be oftype.
	(A)	Dry stream geothermal plants		
	(B)	Flash geothermal plants		
	(C)	Binary geothermal plants		
	(D)	Neither dry stream nor flash		
54.	Clos	sed cycle systems use the fluid	having	<b>;</b> :
	(A)	High boiling points		
	(B)	Low boiling points		
	(C)	High viscosity		
	(D)	Low viscosity		
(5)N	/I-CL	-10(EEM)	10	

55.	Warm surface sea water is pumped	l throug	gh ato vaporize the fluid.
	(A) Heat exchanger	(B)	Generator
	(C) Evaporator	(D)	Condenser
56.	Inmethod the sea water e	nters a	vacuum chamber and flash evaporated.
	(A) Closed cycle system		
	(B) Open cycle system		
	(C) Hybrid OTEC		
	(D) Neither closed nor open syste	em	
57.	The Claude cycle is also called as	:	
	(A) Open cycle	(B)	Anderson cycle
	(C) Closed cycle	(D)	Otto cycle
58.	What does oscillatory motion at o	ocean p	roduce ?
	(A) Microseisms	(B)	Froth
	(C) Disturbance of currents	(D)	Currents
59.	Select the correct formula of potential	ential e	nergy in wave energy ?
	(A) PE = $1/4\rho a^2 \times g/gc$		
	(B) $PE/A = 1/4\rho a^2 \times g/gc$		
	(C) A/PE = $1/4\rho a^2 \times g/gc$		
	(D) $PE/A = 1/4\rho a^2 \times g$		
60.	Motion of water in a wave is prin	narily :	
	(A) Horizontal	(B)	Vertical
	(C) Linear	(D)	Opposite
(5)N	И-CL-10(EEM)	11	P.T.O.

- **61.** In which wave machine instead of compressing air, the water itself is pressurized?
  - (A) High level reservoir wave machine
  - (B) Dolphin type wave generator
  - (C) Hydraulic accumulator
  - (D) Float wave power conversion device
- **62.** Which of the following is the *correct* equation for the electrical power generated by the hydroelectric power plant ?
  - (A) 75×0.736 wQHη Watt
  - (B)  $(7.5/0.736) \times \text{wQH} \eta \text{ Watt}$
  - (C)  $0.845 \times \text{wQH} \eta \text{ Watt}$
  - (D)  $8.45 \times \text{wQH} \eta \text{ Watt}$
- **63.** Francis turbine is :
  - (A) A reaction radial flow turbine
  - (B) An axial flow turbine
  - (C) A radial flow turbine
  - (D) An impulse turbine
- **64.** Overall efficiency of a centrifugal pump is the ratio of :
  - (A) Energy available at the impeller to the energy supplied to the pump by the prime mover
  - (B) Actual work done by the pump to the energy supplied to the pump by the prime mover
  - (C) Energy supplied to the pump to the energy available at the impeller
  - (D) Manometric head to the energy supplied by the impeller per Newton of water

65.	For small discharge at high-pressure	which	n of the following pump is preferred?
	(A) Centrifugal	(B)	Axial flow
	(C) Mixed flow	(D)	Reciprocating
66.	The ratio of the normal force of jet compared to that when the plate is		ter on a plate inclined at an angle $\theta$ as $\theta$ 1 to the jet, is :
	(A) $1/\sqrt{2}$	(B)	$\frac{1}{2}$
	(C) 2	(D)	$\sqrt{2}$
67.	Discharge of a centrifugal pump is	propor	tional to impeller diameter (D) as :
	(A) $D^2$	(B)	$D^3$
	(C) $1/D^3$	(D)	$1/D^2$
68.	Which type of turbine is commonly	used	in tidal energy ?
	(A) Francis turbine	(B)	Kaplan turbine
	(C) Pelton wheel	(D)	Gorlov turbine
69.	What type of tide is it if the difference	ence be	etween high and low tide is greatest?
	(A) Diurnal tide	(B)	Neap tide
	(C) Spring tide	(D)	Ebb tide
70.	One Terra-watt is equal to :		
	(A) 1 trillion-watts	(B)	100 trillion-watts
	(C) 5 trillion-watts	(D)	10 trillion-watts
71.	The standard height of a standard r	ain gaı	age, is:
	(A) 30 cm	(B)	20 cm
	(C) 10 cm	(D)	40 cm
(5)N	Л-CL-10(EEM)	13	P.T.O.

72.	The relationship between power g	generation 'P' and water discharge 'Q' in a
	Hydropower project is:	
	(A) P α Q	(B) $P \alpha Q^2$
	(C) P $\alpha$ Q <sup>3</sup>	(D) P $\alpha$ Q <sup>4</sup>
73.	Production of producer gas from co	oke requiresmoles of nitrogen.
	(A) 3.76	(B) 3.71
	(C) 3.89	(D) 3.49
74.	What are the first products in Fisc	cher-Tropsch process ?
	(A) $CO + H_2$	(B) $CO_2 + H_2$
	(C) Coke + $H_2O$	(D) Coke
75.	The overall efficiency of a power p	plant is given by:
	(A) 3600/NTO	(B) 3600/AP
	(C) 3600/HHV	(D) 3600/NPHR
76.	Which of the following modes is $n$	not used to liquefy coal?
	(A) hydrogenation	(B) catalytic conversion
	(C) hydro pyrolysis	(D) coal gasification
77.	The caloric value of producer gas i	is :
	(A) 500-600 kcal	(B) 600–800 kcal
	(C) 1000–1300 kcal	(D) 2000–2500 kcal
<b>78.</b>	Bio-diesel is derived from which of	f the following ?
	(A) Sunflower seed oil	(B) Rapeseed oil
	(C) Jatropha curcas	(D) All of these
(5)N	/I-CL-10(EEM)	14

79.	A continuous movement of water in	n spec	ific direction is called as:
	(A) Float	(B)	Waves
	(C) Current	(D)	Tides
80.	An impulse turbine is used for :		
	(A) Low head of water	(B)	High head of water
	(C) Medium head of water	(D)	High discharge
81.	Which of the following is a disaction sources?	lvanta	ge of most of the renewable energy
	(A) Highly polluting	(B)	High waste disposal cost
	(C) Unreliable supply	(D)	High running cost
82.	The strength of weak nuclear force re	elative	to Electromagnetic force is of the order
	of:		
	(A) $10^{-13}$	(B)	10 <sup>-11</sup>
	(C) $10^{13}$	(D)	$10^{11}$
83.	Parsec is unit of:		
	(A) Mass	(B)	Length
	(C) Time	(D)	Frequency
84.	If radius of earth contracts by 2% of	of its a	actual value and mass of earth remains
	same, then the acceleration due to	gravity	will:
	(A) Decrease by 2%	(B)	Decrease by 4%
	(C) Increase by 2%	(D)	Increase by 4%
(5)N	И-CL-10(EEM)	15	Р.Т.О.

85.	The position of an object moving along X-axis is given by $x = A + Bt^2$ , where $A = 10$ m, $B = 2.5$ ms <sup>-2</sup> , and $t$ is measured in seconds. The average velocity of					
	this object between $t = 1$ s and $t = 1$					
	(A) $10 \text{ ms}^{-1}$	(B)	15 ms <sup>-1</sup>			
	(C) $20 \text{ ms}^{-1}$	(D)	25 ms <sup>-1</sup>			
86.	A ball is thrown at a speed 28 ms <sup>-1</sup> maximum height attained by the ball		direction 30° above the horizontal. The be:			
	(A) 25 m	(B)	20 m			
	(C) 10 m	(D)	5 m			
87.	sudden brakes to his bike without re	ubbinş	riding a bike, the person then applies g his eye and he found that the small of physics the small insect got out of			
	(A) Newton's third law of motion					
	(B) Newton's second law of motion	1				
	(C) Newton's first law of motion					
	(D) Newton's law of Gravitation					
88.	Mechanical analogue of inductance i	s :				
	(A) Displacement	(B)	Velocity			
	(C) Energy	(D)	Mass			
89.	The classification of Electromagnetic	spec	trum is roughly based upon :			
	(A) How the waves are produced					
	(B) How the waves are detected					
	(C) Both (A) and (B)					
	(D) Wavelength of waves					
(5)N	1-CL-10(EEM)	16				

90.	If th	ne atmosphere of earth suddenly	disapp	ppears, then duration of day will:	
	(A)	Increase by 4 minutes			
	(B)	Decrease by 4 minutes			
	(C)	No change			
	(D)	Can't be predicted			
91.	The	blue colour of sky is due to:			
	(A)	Reflection of light			
	(B)	Refraction of light			
	(C)	Scattering of light			
	(D)	Diffraction of light			
92.	Nuc	lear force between two nucleons	depe	ends on their :	
	(A)	Mass	(B)	Charge	
	(C)	Spin	(D)	Both (B) and (C)	
93.	Che	mical shift of protons lies in the	ppm	n range :	
	(A)	0-200	(B)	0-20	
	(C)	0-10	(D)	0-5	
94.	Whi	ch will <i>not</i> give positive Lassaig	gn's te	test for nitrogen ?	
	(A)	Hydroxyl amine			
	(B)	Urea			
	(C)	Phenyl hydrazine			
	(D)	Benzamide			
(5)N	Л-CL	-10(EEM)	17	P.T	.0.

95.	Whi	ch is the strongest base ?		
	(A)	$HC = C_3^-$	(B)	CH <sub>3</sub> <sup>-</sup>
	(C)	NH <sub>2</sub> <sup>-</sup>	(D)	OH-
96.	Cis	and trans-declalins are :		
	(A)	Structural isomers	(B)	Atropiromers
	(C)	Enantiomers	(D)	Diastereomers
97.	Whi	ch is the <i>correct</i> order of acidity	y ?	
	(A)	Phenol > Water > Ethyl alcoho	1	
	(B)	Ethyl alcohol > Water > Pheno	1	
	(C)	Ethyl alcohol > Phenol > Water	r	
	(D)	Ether > Phenol > Ethyl alcohol		
98.	Whi	ch of these is <i>not</i> present in RN	JA?	
	(A)	Uracil	(B)	Ribose
	(C)	Thiamine	(D)	Phosphate
99.	Whi	ch protons in NMR are most de	eshield	ed ?
	(A)	$CH_3 - CH_3$	(B)	$C_6H_6$
	(C)	$CH_2 = CH_2$	(D)	CH ≡ CH
100.	De	localization of electrons involving	gσb	onds is called:
	(A)	Hyperconjugative effect		
	(B)	Mesomeric effect		
	(C)	Tautomeric effect		
	(D)	Electronic effect		
(5)N	/I-CL-	10(EEM)	18	

## GENERAL APTITUDE

101.	<b>Direction :</b> Read the given instructi	ions ca	refully and answer the question below:							
	A + B (5) = A is 10 m to the North of B									
	A - B (7) = A is 12 m to the South of B									
	A * B (12) = A is 17 m to the East of B									
	A/B (11) = A is 16 m to the West of B.									
	R/P (13), $P/Q$ (19), $S + Q$ (5),	U/S (1	19), U – T (5)							
	If a point $V$ is located 28 m to the $V$ and $P$ ?	South	of T, then what is the distance between							
	(A) 16 m	(B)	8 m							
	(C) 5 m	(D)	3 m							
102.	Complete the series :									
	-	59	?							
	(A) 162	(B)	174							
	(C) 181	(D)	206							
103.	given below:  'B + A' means 'A is son of B'  'B × A' means 'A is father of B'  'A % B' means 'A is son-in-law of B'  'B - A' means 'A is wife of B'		tion carefully and answer the question							
	'A * B' means 'B is brother of A'	m of A:	,							
	'A # B' means 'B is the only siste Which symbol will come in place to show that L is paternal aunt of $P \times Q \times R + S$ ? L	of que	stion marks in the following equation							
	(A) #	(B)	×							
	(C) –	(D)	Either (A) or (C)							
(5)N	/I-CL-10(EEM)	19	P.T.O.							

104.	Direction	:	Read	the	following	information	carefu	ılly and	answer	the	question
	given belo	W	:								
	"Racklog	die	c live	hea	vily" is co	ded as "σ¢Δ	<b>⊿#I</b> 8	¢Ε 12#Ι'	,		

Backlog disc live heavily" is coded as "2\$A 4#I 8\$E 12#I"

"Innocent band actress salute" is coded as "2#A 1\$C 9%N 19&A"

"Notify selfish model change" is coded as "14&O 13!O 19\$E 3&H"

"Langer hill external limelight" is coded as "12&A 12@I 8#I 5%X"

Find the code for "Travel with wander"?

- (A) 20&R 23#I 23#A
- 20&R 23&I 23&A (B)
- (C) 23&R 23#I 23&A
- (D) 20&R 23#I 23&A

105. Feta: Greek: Provolone: .....

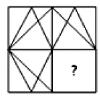
(A) Salad

(B) **Swiss** 

(C) Blue

(D Italian

106. Direction: Which answer figure will complete the pattern of the given incomplete figure?







**107. Direction :** Read the following information carefully and answer the question given below :

Certain number of persons (that does not exceed 15) are standing in a straight linear row facing towards the north. 5 persons stand between B and E, who is third to the left of A. U is to the right of A. Not more than 3 persons stand between U and T. B is third to the left of U. I is fifth to the right of T. 2 persons stand between E and F, who is sitting at the extreme left end of the row. Three persons stand between A and L, who is towards the right of E.

What is the position of E with respect to L?

- (A) 4th to the left
- (B) 7th to the left
- (C) 6th to the right
- (D) 5th to the left
- 108. In the following question, there is a statement followed by two arguments I and II. Read carefully and choose the right option from the given possible answers:

  Given answers:
  - (a) Only argument I is strong
  - (b) Only argument II is strong
  - (c) Either I or II is strong
  - (d) Neither I nor II is strong

Statement: Should India go for computerization in Industry?

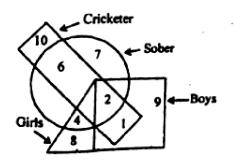
## **Arguments:**

- I. No, computerization demands a lot of money. We should not waste money on it.
- II. Yes, when advanced countries are introducing computers in various areas, how can we afford to lag behind.
- (A) a

(B) b

(C) c

- (D) d
- **109.** In the following figure, the boys who are cricketer and sober are indicated by which number ?



(A) 6

(B) 5

(C) 4

- (D) 2
- 110. Arrange the words given below in a meaningful sequence :
  - 1. Police 2. Punishment
- 3. Crime
- 4. Justice
- 5. Judgement

(A) 1, 2, 3, 4, 5

(B) 3, 1, 2, 4, 5

(C) 3, 1, 4, 5, 2

(D) 5, 4, 3, 2, 1

(5)M-CL-10(EEM)

## **GENERAL ENGLISH**

111.	<b>Direction:</b> Which of the phrases given below should replace the phrase given in bold in the following sentence to make the sentence grammatically correct? A person qualified enough to be a secondary school teacher is <b>most likely to look after</b> other full-time employment, and it naturally follows that the teacher shortage is the worst at the college level.							
	(A)	most likely to look into	(B)	more likely to look for				
	(C)	unlikely to look out	(D)	much likely to look at				
112.	para			n properly sequenced, form a coherent the sentences and key in this sequence				
	1.	The woodland's canopy receive	es most	of the sunlight that falls on the trees.				
	2.	Swifts do not confine themselve	es to w	voodlands, but hunt wherever there are				
	3.		the a	s are agile flyers, ideally adapted to air as they chase flying insects-the				
	4.	Hundreds of thousands of inse some falling prey to swifts and	•	in the sunshine up above the canopy, ows.				
	(A)	1432	(B)	1234				
	(C)	1324	(D)	1243				
113.		in the blank:	t	he situation.				
	(A)	about	(B)	of				
	(C)	around	(D)	with				
(5)N	/I-CL	-10(EEM)	23	P.T.O.				

**114. Direction :** Select the option which contains the part of the sentence which has an error (spelling, grammatical or contextual) :

Ravi Shankar's performance was given (A)/a standing ovation by the (B)/ people who has come to hear him. (C)/No error (D)

- (A) Ravi Shankar's performance was given
- (B) a standing ovation by the
- (C) people who has come to hear him.
- (D) No error
- 115. **Direction:** The following question has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits in the context of the sentence:

The need is to.....housing stock to a level where people do not have to spend a large slice of their income on rent and to have sensible rent laws that foster a market for rented accommodation, rather than hoarding of empty houses by owners fearful of losing possession of their investment to permanent............

- (A) augment, shareholders
- (B) explain, builders
- (C) expand, companies
- (D) boost, tenants
- 116. Find the correctly spelt word:
  - (A) Callibration
  - (B) Calliberation
  - (C) Calibration
  - (D) Colliberation

	In a jiffy
	best expresses the meaning of the idiom/phrase.
117.	In the following question, out of the four alternatives, select the alternative which

- (A) In an appropriate manner
- (B) To fall in love
- (C) Fail to win appreciation
- (D) Something that is done very quickly
- 118. Out of the four alternatives choose the one which can be substituted for the given words/sentence in the question :

The use of many words where only a few are necessary.

- (A) Circumscription
- (B) Circumlocution
- (C) Circumspection
- (D) Circumvention
- 119. Find the antonym of GERMANE:
  - (A) Irrelevant
  - (B) Indifferent
  - (C) Impartial
  - (D) Improvident
- 120. Find the synonym of EDUCE:
  - (A) Demand
  - (B) Elicit
  - (C) Ideal
  - (D) Unlawful