## 077/2018

Maximum : 100 Marks

## Time: 1 hour and 15 minutes

1.	. Identify a Renal function test from the following tests.				
	(A)	Blood sugar	(B)	Serum bilirubin	
	(Ø)	Blood urea	(D)	Total cholesterol	
2.	The accurat	e method for estimation of	haemoglobin	is	
	(A)	Sahlis method	(B)	Cyanmeth haemoglobin method	
	(C)	Spencer method	(D)	Dare method	
3.	Solidifying	agent used for preparation	of solid cultu	re media is	
	(A) <sup>.</sup>	DPX	(B)	Meat extract	
	(C)	Agr	(D)	Peptone	
4.	Post-Prand	ial Blood Sugar (PPBS) san	ple is taken		
No.	(A)	2 hr after intake of food	(B)	<sup>1</sup> / <sub>2</sub> hr after intake of food	
	(C)	after 12 hrs of fasting	(D)	at anytime after intake of food	
5.	Round sha	ped bacterias are called	1.0 191	a state	
	(A)	Bacilli	(B)	Vibrios	
	(C)	Actinomycetes	(D)	cocci	
6.	Normal va	alue of bleeding time by Duk	tes method is	mating of the second	
	(A)	3-8 minutes	(B)	2-6 minutes	
	(C)	3-8 seconds	(D)	2-6 seconds	
7.	Size of a	normal red blood cell is			
	(A)	10-15 micro metre	. <b>(B)</b>	15-20 micro metre	
	(C)	6-8 micro metre	(D)	None of these	
8.	The dilut	ion that can be made using a	n RBC pipette	is	
	(A)		(B)	1/10	
	(C)	) 1/50	(D)	1/20	

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9.	Major plas	sma protein is		
	(A)	Globulin	(B)	Albumin
	(C)	Bence Jones Protein	(D)	Fibrinogen
10.	Laucocita			in the second probability
10.		sis is seen in		all and it has a
	(A)	Systemic lupus erythematosis	(B)	Rheumatoid arthritis
	(C)	Leukemia	(D)	Aplastic anaemia
11.	Which blog	od group is known as "Universal	Donor"	9
	(A)	O group	(B)	
		B group	(D)	A group
		0b	(D)	AB group
12.	Staining m	ethod used in cytology is		
	(A)	Haematoxylin and eosin staining		
	(B)	Negative staining		
	(C)	Leishman's staining		
	(D)	Papanicoloau staining		
		the state of the state of the state		
13.	Temperatu	re used for storing blood in a bloo	d blank	refrigerator is
	(A)	4-6 °C	(B)	8-10 °C
	(C)	10-12 °C	(D)	0-1 °C
14.	Which of t	he following step is not included i	n tigana	
• ••	(A)	Dehydration	(B)	Fixation
	(C)	Oxidation	(D)	Clearing
			(L)	Clearing
15.	THE REAL PROPERTY AND A REAL PROPERTY AND A	an ideal blood smear is		
	and the second second	1-2 cm	(B)	5-6 cm
	(C)	6-7 cm	(D)	3-4 cm
16.	Gmelin's t	est is used for detecting which of t	he follo	Wing compound in urine ?
	(A)	Sugar	(B)	Ketone bodies
	(C)	Bile salts	(D)	Bile pigment
17	VDBL	Concert Con 1.4		
17.		t is used for detecting which of the Rabies	A COLORADO	
	(A) (C)	Typhoid	(B)	Syphilis
		- J-Phold	(D)	Weils disease
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18.	Normal pla	atelet count is		diates for the second second
	(A)	1.5-4.5 lakhs/mm <sup>3</sup> of blood	(B)	50,000-1 lakhs/mm <sup>3</sup> of blood
	(C)	5000-11000 cells/mm <sup>3</sup> of blood	(D)	5-6 lakhs/mm <sup>3</sup> of blood
19.		he following compound is a norma	al const	
	(A)	Sugar	(B)	Bile salt
	(C)	Urea	(D)	Ketone bodies
20.	Colour coc	le used for EDTA anticoagulant bo	ottles	
	(A)	Green	(B)	Grey
	(C)	Purple	(D)	Red
21.	Commonly	used fixative in historethology is		Strong Prendman
21.	(A)	y used fixative in histopathology is Alcohol	(B)	Carnoys fixative
	(A) (C)	Alcohol-ether mixture	(D)	10% formalin
	(0)		(2)	
22.	In Leishma	an's staining fixation is done by		The second second
	(A)	Eosin	(B)	Methyl alcohol
	(C)	Distilled water	(D)	Acetone
				bandet en carea interiories en al
23.	Which of t	he following test is included in IM	IViC R	eaction test ?
	(A)	Nitrate test	(B)	Citrate test
	(C)	Coagulase test	(D)	Catalase test
		A Arin End. 1	() ×	Louise maid
24.	Which of t	the following anticoagulant is also	known	n as Versene ?
	(A)	Heparin	(B)	Double oxalate
	(C)	ACD	(D)	EDTA
25.	Volume of	ACD solution used to collect 100	) ml of	blood is
	(A)	16 ml	(B)	30 ml
	(C)	28 ml	(D)	5 ml
B			5	

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(C) (D) Coulter counter 27. Which white blood cell shows fine violet coloured granules after Leishman's staining? (A) Neutrophils (B) Eosinophils (C) Lymphocytes (D) Monocyte Meliturea refers to the presence of 28. (A) Sugar in urine **(B)** Protein in urine (C) Blood in urine (D) Ketone bodies in urine Cob-web appearance of CSF is seen in 29. (A) Syphilis Tubercular meningitis **(B)** (C) Malaria (D) Hepatitis Hyponatremia is the term used to denote 30. low potassium level in blood (A) low sodium level in blood **(B)** (C) low calcium level in blood low bicarbonate level in blood (D) Method used for the estimation of total protein in blood is (A) GOD-POD method (B) CHOD-PAP method Biuret method (C) (D) Jaffe method The test used to detect CSF protein is (A) Hay's test **(B)** Smith's test Pandy's test (C) (D) Hart's test 33. Area of an improved Neubauer counting chamber is (A)  $3 \text{ mm}^2$ (B)  $6 \text{ mm}^2$ (C)  $4 \text{ mm}^2$ (D)  $9 \text{ mm}^2$ 

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## Automatic tissue processing machine is called 26.

- (A) Microtome (B)
  - Cryostat

Histokinete

## 31.

32.

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34.	Autoclave is an example of which of the following method of sterilization?				
	(A)	Moist heat method	(B)	Dry heat method	
	(C)	Filtration method	(D)	Radiation method	
35.	Erythropoi	esis is the development of		- idit is small	
	(A)	Red blood cells	(B)	Granulocytes	
	(C)	Agranulocytes	(D)	Platelets	
36.	Colony col	our of lactose fermenting bacteria	on Ma	cConkey agar	
	(A)	Colourless	(B)	Pink	
	(C)	Green	(D)	Black	
	Eather of M	(imphialogy in			
37.		Aicrobiology is Robert Koch	(B)	Joseph Lister	
	(A)	Edward Jenner	(D)	Louis Pasteur	
	(C)	Edward Jenner	<i>xc)</i>		
38.	Van den B	ergh reaction is used for estimation	n of		
	(A)	Total protein	<b>(B)</b>	Serum creatinine	
	(C)	Serum Bilirubin	(D)	Serum uric acid	
1.		1. C.II.	lant 2	Treber 100.00	
39.		the following is a natural anticoagu	(B)	Double oxalate	
	(A)	EDTA	(D)	Heparin	
	(C)	ACD	(D)	nepann	
40.	Ideal time	for collecting blood sample for de	tection		
	(A)	2 pm – 4 pm	(B)	10 pm – 2 am	
	(C)	6 am – 8 am	(D)	10 am – 2 pm	
41.	Which of t	he following is an example of an e	enrichn	nent media ?	
	(A)	MacConkey agar	(B)	Nutrient Agar	
	(C)	Peptone water	(D)	Selenite F broth	
42.	Name the	parasite causing Malaria.		and to do a serie for the incost of	
	(A)	Plasmodium vivax	(B)	Wuchereria bancrofti	
	(C)	Brugia malayi	(D)	Leishmania donovani	
B		3	7		

43.	Which of t	he following antibody can cross the	place	nta ?	
	(A)	Ig M	(B)	Ig E	
	(C)	Ig A	(D)	Ig G	
			49		
44.	Which of t	he following is a RBC diluting fluid	(B)	Tuerk's fluid	
	(A)	Hinglemann's fluid		Rees – Ecker solution	
	(C)	Dacies fluid	(D)	Rees Level contain	
		1: 1	h is		
45.		hich require oxygen for their growt	(B)	Carboxyphilic bacteria	
	(A)	Aerobic bacteria	(D)	Obligate anaerobes	
	(C)	Anaerobic bacteria	(D)	oongate take	
46.	Who disco	vered ABO blood group system?		A CARDINA CONTRACTOR	
10.	(A)	Weiner	(B)	Karl Landsteiner	
	(C)	William Harvey	(D)	Denis	
	(-,				
47.	Which of th	ne following is not a Romanowsky	stain 3		
	(A)	Leishman's stain	(B)	Geimsa stain	
	(C)	Jenner stain	(D)	Crystal violet	
		Contraction of the second			
48.	The cell pr	esent in normal CSF (cerebrospinal	fluid)		
	(A)	Plasma cell	(B)	Neutrophils	
	(C)	Lymphocytes	(D)	Monocytes	
49.	Staining	athed and C. 14 di Marchaet		tuberculosis is	
49.	(A)	hethod used for detecting Mycobact	(B)	Zeihl-Neelsen's staining	
	(A) (C)	Leishman's staining Simple staining	(D)	Gram's staining	
	(0)	Simple staming	(D)	Grain's stanning	
50	. Urinomet	er is used to measure which of the fo	ollowir	ng property of Urine 2	
	(A)		(B)	Transparency	
	(C)	A CARLER AND A CARLEN AND AND AND AND AND AND AND AND AND AN	(D) (D)	Specific gravity	
07	7/2018		(3)	Speeme Bravity	
U			0		

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<ul> <li>(A) Angular momentum</li> <li>(B) Torque</li> <li>(C) Inertia</li> <li>(D) Moment of inertia</li> <li>(A) 28</li> <li>(B) 32</li> <li>(C) 38</li> <li>(D) 42</li> <li>(A) Solid</li> <li>(B) Liquid</li> <li>(C) Gas</li> <li>(D) Vacuum</li> <li>(A) Solid</li> <li>(B) Interference</li> <li>(C) Total internal reflection</li> <li>(D) Visible region</li> <li>(C) Infra-red region</li> <li>(D) Visible region</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> <li>(C) Convex leps</li> <li>(D) Vacuum</li> <li>(Ensure that the state of the space through the space the space throug</li></ul>					statery motion of a body about an axis
<ul> <li>(A) Angular momentum</li> <li>(B) Horper</li> <li>(C) Inertia</li> <li>(D) Moment of inertia</li> <li>(D) Additional force</li> <li>(D) Newton</li> </ul>	51.	The proper	rty by which a body opposes	the change II	Torque
<ul> <li>2. Zero degree Celsius is equal to</li></ul>		(A)	Angular momentum	(D)	1019
<ul> <li>(A) 28</li> <li>(B) 32</li> <li>(C) 38</li> <li>(D) 42</li> <li>(A) Solid</li> <li>(B) Liquid</li> <li>(C) Gas</li> <li>(D) Vacuum</li> <li>(A) Solid</li> <li>(B) Liquid</li> <li>(C) Gas</li> <li>(D) Vacuum</li> <li>(A) Refraction</li> <li>(A) Refraction</li> <li>(B) Interference</li> <li>(C) Total internal reflection</li> <li>(D) Diffraction</li> <li>(C) Infra-red region</li> <li>(D) Visible region</li> <li>(C) Infra-red region</li> <li>(D) Visible region</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> <li>(C) Ferri magnetic material</li> <li>(C) Convex lens</li> <li>(C) Convex lens</li> <li>(C) Strong nuclear force</li> <li>(D) Concave lens</li> <li>(A) Gravitational fore</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Newton</li> <li>(D) Newton</li> </ul>		(C)	Inertia	· (D)	Women of the
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(C) 38       (D) 42         53. Sound waves travel faster through       (A) Solid       (B) Liquid         (A) Solid       (B) Vacuum         54. Light can pass along the optical fibre by mechanism       (A) Refraction       (B) Interference         (C) Total internal reflection       (D) Diffraction         55. Heat radiations lies in the       (A) Microwave region       (B) Ultraviolet region         (C) Infra-red region       (D) Visible region         56. Laws of electromagnetic induction was developed by       (A) Einstein       (B) Faraday         (C) Newton       (D) Heisenberg         57. No magnetic flux lines passes through       (A) Ferromagnetic material       (B) Paramagnetic material         (C) Ferri magnetic material       (D) Dia magnetic material         58. Lens used to correct short sight of an eye       (A) Plane glass       (B) Cylindrical lens         (C) Convex legs/       (D) Concave lens         59. Annong basic forces exist in nature the weakest is       (A) Gravitational force       (B) Electromagnetic force         (C) Strong nuclear force       (D) Nuclear weak force         60. Unit of power is       (A) Wat/       (B) Joule         (C) Kilowatt hour       (D) Newton			28	(B)	
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(C) Total internal reflection       (D) Diffraction         55. Heat radiations lies in the       (A) Microwave region       (B) Ultraviolet region         (C) Infra-red region       (D) Visible region         56. Laws of electromagnetic induction was developed by       (A) Einstein       (B) Faraday         (C) Newton       (D) Heisenberg         57. No magnetic flux lines passes through       (A) Ferromagnetic material       (B) Paramagnetic material         (C) Ferri magnetic material       (D) Dia magnetic material         (C) Ferri magnetic material       (D) Concave lens         58. Lens used to correct short sight of an eye       (A) Plane glass       (B) Cylindrical lens         (C) Convex lens       (D) Concave lens         59. Among basic forces exist in nature the weakest is       (A) Gravitational force       (B) Electromagnetic force         (C) Strong nuclear force       (D) Nuclear weak force         60. Unit of power is       (A) Wat/       (B) Joule         (C) Kilowatt hour       (D) Newton         8       9       07	54.			(B)	Interference
<ul> <li>55. Heat radiations lies in the <ul> <li>(A) Microwave region</li> <li>(C) Infra-red region</li> </ul> </li> <li>56. Laws of electromagnetic induction was developed by <ul> <li>(A) Einstein</li> <li>(B) Faraday</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> </ul> </li> <li>57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> </ul> </li> <li>58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(C) Convex lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> </li> <li>59. Unit of power is <ul> <li>(A) Wat/</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> </li> </ul>	•			(D)	Diffraction
<ul> <li>(A) Microwave region</li> <li>(B) Ultraviolet region</li> <li>(C) Infra-red region</li> <li>(D) Visible region</li> </ul> 56. Laws of electromagnetic induction was developed by <ul> <li>(A) Einstein</li> <li>(B) Faraday</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> </ul> 57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(C) Convex lens</li> </ul> 58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(C) Convex lens</li> </ul> 59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Wat/</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul>		(C)	Total internal remeasure		in the second
<ul> <li>(A) Microwave region</li> <li>(B) Ultraviolet region</li> <li>(C) Infra-red region</li> <li>(D) Visible region</li> </ul> 56. Laws of electromagnetic induction was developed by <ul> <li>(A) Einstein</li> <li>(B) Faraday</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> </ul> 57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(C) Convex lens</li> </ul> 58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(C) Convex lens</li> </ul> 59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Wat/</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul>		Heat radia	tions lies in the		
(C) Infra-red region       (D) Visible region         56. Laws of electromagnetic induction was developed by <ul> <li>(A) Einstein</li> <li>(B) Faraday</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> </ul> <li>57. No magnetic flux lines passes through         <ul> <li>(A) Ferromagnetic material</li> <li>(B) Paramagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> </ul> </li> <li>58. Lens used to correct short sight of an eye         <ul> <li>(A) Plane glass</li> <li>(B) Cylindrical lens</li> <li>(C) Convex lens</li> <li>(D) Concave lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is         <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> </li> <li>60. Unit of power is         <ul> <li>(A) Waty</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> </li>	33.			(B)	
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<ul> <li>(A) Einstein</li> <li>(B) Faraday</li> <li>(C) Newton</li> <li>(D) Heisenberg</li> </ul> 57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> <li>(Ens used to correct short sight of an eye</li> <li>(A) Plane glass</li> <li>(C) Convex lens</li> <li>(D) Concave lens</li> </ul> 59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Wat/</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> 9 977	56	Lawsofe	lectromagnetic induction was	developed	· ·
<ul> <li>(C) Newton</li> <li>(D) Heisenberg</li> <li>57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> </ul> </li> <li>58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(C) Convex lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> </ul> </li> <li>59. Unit of power is <ul> <li>(A) Gravitational force</li> <li>(C) Kilowatt hour</li> </ul> </li> <li>59. In the provided HTML Representation of the provided H</li></ul>	50.			.(B)	Faraday
<ul> <li>57. No magnetic flux lines passes through <ul> <li>(A) Ferromagnetic material</li> <li>(C) Ferri magnetic material</li> </ul> </li> <li>58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(C) Convex lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(C) Strong nuclear force</li> </ul> </li> <li>59. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Electromagnetic force</li> <li>(D) Nuclear weak force</li> </ul> </li> <li>60. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> </li> </ul>				(D)	Heisenberg
<ul> <li>(A) Ferromagnetic material</li> <li>(B) Paramagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> <li>(E) Cylindrical lens</li> <li>(D) Concave lens</li> <li>(D) Concave lens</li> <li>(E) Electromagnetic force</li> <li>(D) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Newton</li> <li>(E) Newton</li> <li>(E) Newton</li> <li>(E) Newton</li> </ul>		(-)	-		the second of the suspect had been been the
<ul> <li>(A) Ferromagnetic material</li> <li>(B) Paramagnetic material</li> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>(D) Dia magnetic material</li> <li>(E) Cylindrical lens</li> <li>(D) Concave lens</li> <li>(D) Concave lens</li> <li>(E) Electromagnetic force</li> <li>(D) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Nuclear weak force</li> <li>(E) Newton</li> <li>(E) Newton</li> <li>(E) Newton</li> <li>(E) Newton</li> </ul>	57.	No magne	tic flux lines passes through		CORES / ST. LEAN
<ul> <li>(C) Ferri magnetic material</li> <li>(D) Dia magnetic material</li> <li>58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(B) Cylindrical lens</li> <li>(D) Concave lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> </ul> </li> <li>50. Unit of power is <ul> <li>(A) Watt/</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is</li> <li>(A) Gravitational force</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul>		(A)	Ferromagnetic material	All have a	
<ul> <li>58. Lens used to correct short sight of an eye <ul> <li>(A) Plane glass</li> <li>(B) Cylindrical lens</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> </ul> </li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> </ul> </li> <li>60. Unit of power is <ul> <li>(A) Watt/</li> <li>(C) Kilowatt hour</li> </ul> </li> <li>61. Unit of power is <ul> <li>(A) Watt/</li> <li>(B) Joule</li> <li>(D) Newton</li> <li>(D) Newton</li> </ul> </li> </ul>			Ferri magnetic material	(D)	Dia magnetic material
<ul> <li>(A) Plane glass</li> <li>(B) Cylindrical tens</li> <li>(C) Convex lens</li> <li>(D) Concave lens</li> </ul> 59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> </ul> (C) Strong nuclear force <ul> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> 9 07"			and the second second		the sector of the sector sector of a sector
<ul> <li>(A) France guess</li> <li>(C) Convex lens</li> <li>(D) Concave lens</li> <li>(E) Concave lens</li> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> <li>(D) Nuclear weak force</li> <li>(D) Newton</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> <li>(D) Newton</li> </ul>	58.	Lens used		ye (D)	Cutindrical lens
<ul> <li>(C) Convex rend</li> <li>59. Among basic forces exist in nature the weakest is <ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> </li> <li>60. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> </li> <li>67. 80. 100. 100. 100. 100. 100. 100. 100.</li></ul>		(A)			
<ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Joule</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> 9 07 <sup>-</sup>		(C)	Convex lens	(D)	Concave lens
<ul> <li>(A) Gravitational force</li> <li>(B) Electromagnetic force</li> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> </ul> 60. Unit of power is <ul> <li>(A) Watt</li> <li>(B) Joule</li> <li>(B) Joule</li> <li>(C) Kilowatt hour</li> <li>(D) Newton</li> </ul> 9 077	59.	Among ba	sic forces exist in nature the	weakest is	
<ul> <li>(C) Strong nuclear force</li> <li>(D) Nuclear weak force</li> <li>(D) Nuclear weak force</li> <li>(D) Newton</li> <li>(D) Newton</li> <li>(D) Newton</li> <li>(D) Newton</li> <li>(D) Newton</li> </ul>				(B)	
60. Unit of power is (A) Watt (C) Kilowatt hour B 9 07 07 07		Sealest States in the last		(Ø)	Nuclear weak force
(A) Watt (B) Joule (C) Kilowatt hour (D) Newton 9 07		(0)			
(C) Kilowatt hour (D) Newton 07	60.			(P)	Ioule
B 9 07		STREET, STREET		The second second	
		(C)	Kilowatt hour	14 125 Participant	
	B			9	

61.	Accordin	ng to V.S.E.P.R. theory the s	hape of PO	$Cl_4$	molecule is
	(A)			(B)	
	(C)			(D)	Square planar
				1	A state of the sta
62.	One meth	nod to remove temporary han			
	(A)	-		(B)	By Calgon process
	(C)	Clark's method	(	(D)	Permutit method
63	71	Colomente which does no	t halong to	D	hansinger trieds is
63.		of elements which does no $(I \neq N_{0}, K)$			
	(A)	(Li, Na, K) (P, As, Sb)		B)	
	(C)	(1, A3, 50)	(	D)	(C <i>l</i> , Br, I)
64.	Name the	crystal system in which all t	he sides ar	nd a	ll the angles are different
	(A)	Orthorhombic	in the second second		Monoclinic
	(C)	Triclinic	and the second second	)	Hexagonal
65.	Artificial g	raphite is prepared by			and the second states
	(A)	Acheson's process	. (E	3)	Deacon's process
	(C)	Dow's process	(E	))	Hall – Herault's process
66.	Kaolinite is				
		Copper	(B	101121	Iron
	(C)	Aluminium	(Đ	) .	Zinc
<b>67</b>	A. 1 1	the free 7th auto is to 2rd		2+ :	
67.		U-V region			on. The spectrum will occur in /isible region
		Far Infra-red region			Visible region Vear Infra-red region
	(0)	r mi ninu rou rogion	(-)		iou ninu red region
68.	Among the	following which is not an in	terhalogen	con	npound?
	(A)	C/F <sub>3</sub>	(B)	В	rF <sub>5</sub>
	(C)	ICl <sub>3</sub>	· (D)	F	Br <sub>3</sub>
60	True closter		·		1º / Annual A
69.		ns in the same atomic orbital Principal quantum number			
		Magnetic quantum number	(B) (D)		zimuthal quantum number pin quantum number
	(0)	in Brene quantant namber	(2)	Sh	m quantum number
70.	Which of th	e following species have min	imum size	?	
	(A)	O <sup>2-</sup>	(B)	M	g <sup>2+</sup>
	(C)	F-	(B) (D)	Al	3+
077/2	2018		10		· · · · · · · · · · · · · · · · · · ·
- Ander				1000	
	the the state of the state				

71.	Excretory	organ in insects is	ALL CONTRACTOR	one into the second
	(A)	Green gland	(B)	Malpigian tubules
	(C)	Nephrida	(D)	Protonephrida
72.	Identify the	5 Contrar		
14.	(A)	e 5 Carbon compound CO <sub>2</sub>		NADDIU
			(B)	NADPH
	(C)	RUBP	(D)	PEP
73.	Canary gra	ass experiment related hormone		
	(A)	Auxin	(B)	Gibberellin
	(C)	ABA	(D)	Ethylene
74.		een Atlas and Axis		
	(A)	Pivot joint	(B)	Hing joint
	(C)	Ball and Socket joint	(D)	Hinge joint
75.	Downs Su	ndrome is related to		the second s
15.	(A)	Nullisomy	(B)	Managamu
	(C)	Trisomy	(B) (D)	Monosomy Tetrasomy
			(2)	retrasomy
76.	Biological	glue is		
	(A)	Ligase	(B)	Restriction
11	(C)	DNA polymerates	(D)	Permeate
	04 4	<b>C</b> 1		
77.	(A)	Green house gas	· (D)	CU
		CO <sub>2</sub>	(B)	CH <sub>4</sub>
	(C)	NO <sub>2</sub>	(D)	NH <sub>4</sub>
78.	Pagio unit	of classification is	و	
/0.	(A)	Family	· (B)	Genes
	(11) (Ċ)	Species	(D)	Order
2		the second second second second second	(2)	Order
79.	Large emp	ty cells found in the adaxial epi	dermis in	grasses
-	(A)	Lerticel	(B)	Bulliform cell
	(C)	Subsidiary cell	(D)	Mesophyll cell
		titles is sound at		and a strange
80.		nsipidus is caused due to Deficiency of insulin		E C' I'
	(A) (C)	Hyposecretion of ADH	(B)	Excess of insulin
Sec. 20	(0)	hypotototototion of ADII	(D)	Hypersecretion of ADH
B			11	

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81	The main	chemicals in air pollution that cau	uses acid	rain	
	(A)	Sulphur dioxide and Nitrogen	(B)	Sulphur dioxide and Oxygen	
	(C)	Carbon dioxide and Sulphur	(D)	Nitrogen and Carbon dioxide	
				Standing of the Trans American	
82.	Percentag	e of alluvial soil in India		and the second	
	(A)	18.5%	(B)	15%	
	(C)	28%	(D)	43%	
83.	The food f	for work programme was later ren	named as		
	(A)	IRY	(B)	IRDP	
	(C)	NREP	(D)	RLEGP	
				and the second second second	
84.	The Chain		ion and e	ntrepreneurship setup by NITI Aayog	
	(A)	Swathi Piramal	(B)	Rajive Bajaj	
	(C)	Vishal Shika	(D)	Tarun Khanna	
				and the second	
85.	The river the	hat originates in the Anaimudi Hi	ills, flow		
• •	(A)	Bhavani	(B)	Pambar	
	(C)	Khabani	(D)	Chaliar	
86.	'Poorna Sv	waraj' declared by Indian Nationa	al Congre		
	(A)	Lahore Session	(B)	Lucknow Session	
	(C)	Bombay Session	(D)	Allahabad Session	
87.	An organi	sation formed by Vaghhadananth	n to fight	against caste system and idol worship	
	(A)	Samatva Samajam	a to right (身)		
	(rt) (C)	Sadhujana Paripalana Sangam	(y) (D)	Athmavidya Sangam Athmabhimana Prasthanam	
		jana ranpanana bangani	(D)	Aumaonimana Prasmanam	
88.	The organ	nisation established by Abdul K	hader M	Ioulavi for the social unliftment of Muslim	
1	3. The organisation established by Abdul Khader Moulavi for the social upliftment of Muslim society in Kerala				
-	. (A)	Muslim Education Society	(B)	Jamiyyathul Ulama	
-	(C)	Kerala Mujahideen	(D)	Travancore Muslim Mahasabha	
		the new sector in the sector is		elCartegoniarenogtit (3)	
077/	2018		12	B	

- **89.** The priest who introduced the idea of "One school for one Church" (oru pallik oru Pallikkodam) in the Kerala Sabha 1864
  - (A) Aagustinose Thevarparambil
  - (B) Mariyam Theresa Chiramel
  - (C) Blessed Kuriakos Elias Chavara
  - (D) Devasahayam Pillai
- 90. Name the combined operation of Navy, Army and Airforce to rescue the Okhi victims
  - (A) Operation Synergy
  - (B) Operation Chain protection
  - (C) Operation Flying Eagle
  - (D) Operation Seashore
- 91. The play of V.T. Bhattathiripad which brought about revolutionary changes in the Brahmin society
  - (A) Athma Vidya Kahalam
  - (B) Sarasayya
  - (C) Akilathirut
  - (D) Adukkalayil ninnu Arangathekku

Ministry of Home Affairs

- 92. K.P. Ramanunni bagged 'The Kendra Sahitya Academy' for his work
  - (A) Agraharathile Poocha (B) Arachar
  - (C) Daivathinte Pustakam (D) Sufi Paranja Katha

**93.** Name the satellite, which launched by ISRO as its 100<sup>th</sup> satellite from Satheesh Dhawan Space Centre, Sreeharikotta on 12<sup>th</sup> January, 2018

(A)	IRNSS – 1H	(B)	Cartosat 2C
(C)	GSAT – 117	(D)	PSLV – C40

94. Parent department of National Disaster Management Authority (India) abbreviated NDMA

- (A) Ministry of Defence (B) Ministry of Agriculture
  - (D) Ministry of Public Grievances13

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B

(Ç)

Panchayath Raj System of local self-government is incorporated in 95.

- The Directive Principles of the State Policy (A)
- (B) The Fundamental Rights
- (C) National Development Council
- (D) A plan for Economic and Rural Development in India

'International Migration Day' by United Nations Department of Economic and Social Affairs 96. observed on

(A)	December 28	(B)	December 18
(C)	December 6	(D)	December 16

Name of the Capital city, through which the equator passes 97.

(A)	Kinshesa	(B)	Nairobi
(C)	Quito	(D)	Bogota

Author of the work 'The Other Side of Silence', which deals with the atrocities during the 98. partition of India.

A)	Rajendar Singh Bedi	(B) Urvasi Butalia
(C)	Bhishma Sahni	(D) Amitay Ghosh

The reformer who organised "Kallumala Prakshobam" movement against the restriction of using 99. ornaments by the untouchables

**(B)** 

- Ayyankali
  - Chattambi Swamikal
    - Sree Narayana Guru (D)

Ayya Vaikunda Swamikal

100. The place known as "The Gateway to Kerala"

- Wayanad (A) **(B)** Palakkad
- (C) Cochin
- (D) Tiruvananthapuram

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(C)

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B