SHIVAJI MAHAVIDYALAYA, GADCHIROLI

SESSION-2021-2022

SUBJECT- MICROBIOLOGY

CLASS-B.Sc 1st Year

SEM-1st

Date-				Marks-30
1	HEPA filter are widely used in A)autoclave	B)laminar air flow	C)face mask	D)oxygen masks
2	The degree of hotness and coldness of air is called			
3	A)atmosphere Air pressure is defined as	B)Moisture	C)temperature	D)thermosphere
	A)the pressure exerted by the weight of air on the earth's surface	B)the amount of insolation decreases from the equator towards the pole.	C)the movement of air from high pressure areas to low pressure areas	D)Insolation is the incoming solar energy intercepted by earth
4	in the air at any time is kno	own as humidity.		
5	A)Moisture The gaseous mantle consisting	B) heat g of various gases aro	C) air und the earth surface	D) particles is called
	A) Lithosphere	B) Atmosphere or Air	C) Rhizosphere	D) Hydrosphere
6	The lowest part of the atmosp	ohere is known as		
7	A) Thermosphere Which of the following article	B) lonosphere can be sterilized in a	C) Troposphere n autoclave	D)Exosphere
	A) gloves	B) dressing	C) culture media	D) all of the above
8	4) The organisms found in air	are called		
	A)Aeronula	B) Droplets	C) Actinomycetes	D)Airborne organisms
9	The troposphere, stratosphere	e and mesosphere are	e collectively known a	as
	A) Homosphere	B) lonosphere	C) Exosphere	D) mesopause
10	Temperature is measured by	_		
	A) Celsius	B) Fahrenheit	C) Kelvin	D)all of the above

11	Determination of types and numbers of microorganisms in a particular			air is called		
	A) Microbial analytics	B) Qualitative analytics	C)Droplet analytics	D)Quantitative analytics		
12	Diarrhoea is not caused by A) <i>Shigella dysenteriae</i>	B)Streptococcus pyogenes	C)Clostridium difficile	D)Salmonella enteriditis		
13	B cells are activated by					
	A) complement	B)antigen	C)antibody	D) interferon		
14 15	The genetic material in HIV is A) dsDNA Which of the following is/ are	B) ss DNA e air borne disease	C)s RNA	D) none of these		
	A) Diphtheria	B) Tuberculosis	C) AIDS	D) A&B		
16	The boundary between troposphere and startosphere is known as					
17	A) mesopause The term biosphere refers to	B) stratopause	C) ionopause	D) tropopause		
	A) rocks and minerals	B)plants and animals	C) water sources	D)atmosphere and lithosphere		
18	Secondary sewage treatment is mainly a					
	A) physical process	B) Mechanical process	C) Chemical process	D) Biological process		
19	The equipment to measure atmospheric humidity is					
20	A) anemometer The gap between cell wall and A) periplasmic space	B) Hygrometer d cell membrane is ca B) intercellular	C) psychrometer alled? C)cristae	D) lysimeter D)matrix		
21	The micro-organisms Grow a	space at high salinity are -				
	A)Oenophiles	B)Halophiles	C)autotrophs	D)none of these		
22	viruses can be Cultivated in-					
23	A)Lab media Many ribosomes combine tog	B) Living cell gether to form a chaiı	C) both a and b n known as?	D)none of these.		

24	A)multiribosome What is the full form of BOD ?	B) periplasm	C) nucleoid	D) polyribosome
25	A)Biochemical oxygen demand Secondary sewage treatment	B)Bionated oxygen demand is mainly a	C) Biological oxygen disease	D) Biological oxygen deficiency
	A)physical process	B) Mechanical process	C) Biological process	D) Chemical process
26	Chlorination of water is done	for the removal of	_·	
27	A) Suspended solids Sterilization is	B) Sediments	C) Hardness	D) Bacteria
	A)Process for preparation of antibiotics	B) killing or removing of all the microorganisms from an article	C) process of growing microbes in laboratory	D) fragmentation of big particles into smaller one for the preparation of tablets
28	HEPA filter is			
	A) Hot efficiency particulate air	B) High efficiency particulate air	C) Hold efficiency particulate air	D) Heavy efficiency particulate air
29	Enzymes are chemically			
30	A)lipid Select water borne disease ou	B)proteins t of the following.	C) carbohydrates	D) none of these
	A) Malaria	B) Dengue	C) Tuberculosis	D) Cholera

SHIVAJI MAHAVIDYALAYA, GADCHIROLI

SESSION-2021-22

SUBJECT-MICROBIOLOGY

CLASS-B.Sc 3rd year

SEM-V

Date-
Max Marks-30

Practical

25 marks

1	EMB agar is used for di a) <i>E. coli</i>	fferentiation of <i>Enterobe</i> b) <i>S. aureus</i>	acter aerogen and c) Bacillus subtilis	 d) Pseudomonas sp.
2	In Mac Conkey Agar cr a)NaCl	ystal violet and b)Peptone	inhibit the growth o c)Sodium Sulphate	f Gram positive species. d)Bile salts
3	Media is used for the ex a)Nutrient agar	amination of potable wa b) EMB agar	ter, dairy products and fo c) ENDO agar	ood. d) PDA agar
4	T.S.I in biochemical exa a) Turbocharged stratified injection	amination of microorgan b) Triple sugar Iron	ism stands for c) Total Solar Irradiance	Agar. d) Thyroid Stimulating Immunoglobulins.
5	<i>E. coli</i> is classified under a)Enterobacteriaceae	er Family. b)Acidobacteriaceae	c)Aquificae	d)verrucomicrobia
6	Strain grow red to pink of a)Endotoxin producing	on Mac Conkey Agar. b) lactose fermenting	c) exotoxin producing	d) lactose non fermenting.
7	In chromatography 'Rf' a)Radio frequency	stands for b)Retention factor	c)remote frequency	d) representative factor
8	<i>Staphylococci</i> is Gram p a)Rod	bositiveShape o b) cocci	organism. c)vibrio	d)spiral
9	MSA is recommended f milk, food. a)Lecithinase	For the detection and enumber b) amylase	meration ofpos c)glucose	sitive staphylococci in d)coagulase
10	What is MIC in antibiot a)message integrity code	ic susceptibility testing? b) market intelligence center	c)minimum inhibitory concentration	d)maximum inhibitory concentration.
11 12	Mac Conkey agar is ear a)Urinary track pathogens is added as pH ind	liest differential medium b) Enteric microorganisms dicator in MSA media.	for the cultivation of c) oral pathogens	d) epidermal microorganisms

	a)phenol red	b)Methylene blue	c)Ink	d)Saffranine
13	Staphylococcus aureus a)yellow	show coloured b)red	l colonies on MSA c)pink	d)blue
14	<i>Proteus</i> converts pheny? a)phenyl acetic acid	l alanine to b)phenyl citric acid	c)phenyl pyruvic acid	d)phenol
15	Media is recommended a) EMB agar	for growth of urease pro b) MSA agar	ducing <i>proteus species</i> . c) UTI agar	d) Urea agar base
16	is primary source of a)Fructose	carbon in bismuth sulph b) glucose	ate agar. c)NaCl	d)Mannitol
17	Phenyl alanine agar was a)Robert Koch	b)R.J. Petri	 c) Ewing	d)R.S. Sharma
18	On Mac Conkey agar <i>P</i> a)green	<i>roteus sp</i> . showco b)blue	oloured colonies. c)yellow	d)red
19	Filter paper is used in cl a)tissue	nromatography experime b)Whatman's	ent. c) news paper	d) 70 GSM paper
20	Chromatography is used a)Fusion	l forof clo b)analysis	sely related compounds. c)separation	d)mixing
21	Dengue is caused due to a)HIV	bvirus. b) Flavi	c)Tobacco mossaic	d) corona
22	For cholesterol test a)spectrophotometer	device is used. b)Autoclave	c)mobile	d)thermometer
23	<i>Proteus bacilli</i> after inc a)light pink	ubation period of 24 hrs. b)light green	changes colour of Urea c) dark pink	base agar to d) dark red
24	Indicator present in Bisi a)methyl orange	muth sulphite Agar is b)phenol red	c) brilliant green	d) methyl red
25	is Dengue Antiger a)NS1	b)NS2	c)NS3	d)NS4

Answer in one sentence

- **1.** What is full form of SGPT
- 2. Define chromatography.
- **3.** What is vaccine?
- 4. Define infection.
- 5. Enlist any two types of centrifuge.

5 marks

SHIVAJI MAHAVIDYALAYA,GADCHIROLI SESSION-2021-22 SUBJECT-MICROBIOLOGY CLASS-BSc 2nd year SEM- III

Date-

Max marks – 30

1	Media is used to study enzyme activity of lipase.					
	a)Tween 80 hydrolysis media	b) Mueller H	inton agar	c) Starch Agar	d)Potato Dextrose Agar	
2	Scientistin	1888 first isol	ated bacteriun	n from root nodules of legun	ninous plant.	
	a) Pasture	b) Beijerinck		c) Waksman	d) Koch	
3	<i>Rhizobium species</i> grow we a)Mac Conkey agar	ll on b)EMB agar	.medium and	produce whitish colonies. c) UTI agar	d) YEM agar	
4	Catalase test is performed by a)H ₂ o	y adding b)H2O2	on nutrie	ent agar culture slant. c)HCl	d)NaOH	
5	In urease enzyme activity te a)White	st of organism b)red	the colour of	media changes from yellow c)pink	toin positive test. d)	
6	Enzyme breaks down starch a)lipase	into sugar. b)amylase		c)ligase	d)catalase	
7	<i>Rhizobium</i> is ina)Synergistic	relationship b)Symbiotic	with the roots	of plants. c)Commensalism	d)parasitism	
8	Urease enzyme decompose a)Ammonia	Urea to b) Uric Acid		c) Water and gas	d) HCl	
9	Colour after addition of iodi	ine solution inc	licates presend	ce of starch.		
-	a)Blue	b)purple	1	c)Pink	d)Red	
10	End product of EMP pathw a)Glucose	ay is b)Pyruvate		c)Fructose 6 phosphate	d)fructose	
11	Amylase production test of a)Nutrient agar	organism is stu b) Mueller Hi	died on the m inton agar	edium c) Starch agar	d)EMB agar	
12	is the area of soil	immediately s	urrounding the	e root of plant		
	a) <i>Rhizopus</i>	b) stem	c) Lipase	d)root		
13	In Microbiology, PDA stand	ls for				
	a)Potato dextrose agar	b)patent duct	us arteriosus	c)personal digital assistant	d)protein primary amines	

14 In bacterial growth curve is the phase of constant high population of cells, that is maintained by a balance between cell division and cell division and cell death.

	a)Log phase	b) maximum stationary phase	c) lag phase	d) death phase
15	Jensen's media is recommen	nded for the cultivation of	fixing bacteria.	
	a)Phosphorus	b)Nitrogen	c)oxygen	d)carbon
16	are the formulation	s of living microorganisms u	sed to increase soil fertility.	
	a)Bio pesticide	b)bio insecticide	c)bio fertilizer	d) chemical fertilizer
17	Lipase is enzyme.			
	a)Extracellular	b)Intracellular	c)Iso-enzyme	d)Ligase
18	Bacteria are incubated at	for 24 hours		
10	a)30 °C	b) 20°C	c)28 °C	d) 37°C
19	Root nodules are immersed	in 1% acidified For	5 minutes to remove contam	inants
17	a)HC1	h) NaCl	c) HgCl ₂	d)H ₂ O
	ajiici	0) NaCi	0)115012	
20	The zone of opacity produce	ed by lipase positive organisr	ns is composed of crystals of	f
	a)Magnesium salts	b)copper salts	c)sodium salts	d)calcium salts
21	is the Gram positive	organism		
21	a)E coli	b) <i>Rhizohium</i> sn	c)S aureus	d)Pseudomonas sn
	u) <u>D</u> . con	<i>c)</i> 101120010111 sp.	<i>cjs</i> . <i>uucus</i>	aji senaomonas sp.
22	is known as father	of modern enzymology.		
	a)Berzelius	b)Sumner	c)Koch	d)Pasteur
23	In holoenzyme protein part i	s called as		
	a)coenzyme	b)apoenzyme	c)cofactor	d)isoenzyme
		·)	-)	__
24	In Jensen's media increases	s the fixation of N_2	×	
	a)carbohydrate	b)sodium chloride	c)sodium molybdate	d)Calcium
25	is the component of	f photoelectric colorimeter.		
	a)Resistor	b)Diode	c) cotton plug	d)galvanometer.

Answer in one sentence

5 marks

- 1) Enlist the phases of bacterial growth curve.
- 2) What is fermentation? And mention 2 types of fermentation.
- 3) Name the factors affecting enzyme activity.
- 4) What is Nitrogen fixation?
- 5) Define synergism

Gondwana University, Gadchiroli Practical Exam B.A. I Year Sem. 1 2021-22

College Name :- Shivaji Mahavidyalaya, Gadchiroli Name Of Student :-

Class	B.A. I Sem.		
Subject	:-	Geography	
Mobile No	:		
Date of Exam	:-	1	/2021

प्रश्न १ ला योग्य पर्यायी शब्द निवडून वाक्य पूर्ण करा.

मार्क 30

- १. पृथ्वीची प्रतिकृती ----- आहे. अ) अक्षवृत्ते ब) रेखावृत्ते क) पृथ्वीगोल
- २. ----- नकाशामध्ये मानवाने निर्माण केलेल्या विविध घटकाची माहिती दर्शविली जाते. अ) ऐतिहसीक ब) सांस्कृतीक क) आर्थिक
- ३. ग्रीक काळात ----- या शाखाज्ञाने संपूर्ण पृथ्वीचा परिघ मोजून काढला.
 - अ) टॉल्मी ब) कार्ल रिटर क) इरॉटोस्थेनेस
- १ इंच = १ मैल हे ----- चे उदाहरण आहे.
 - अ) अंकप्रमाण ब) शब्दप्रमाण क) रेषाप्रमाण
- ५. ----- हे अंकप्रमाणाचे उदाहरण आहे.
 - अ) RF ? : ?00000 ब) ?? इंच = ? फूट क) यापैकी नाहीं
- ६. अंकाची रचना करण्याच्या पध्दतीला ----- असे म्हणतात.
 - अ) सारणीय ब) पदमुल्य क) पदमाला
- ७. प्राप्त अंक पदमुल्यांनुसार लिहीण्यात येते तेच्हा अशा रचनेला ----- पदमाला म्हणतात. अ) साधी ब) खंडीत क) अखंडीत
- ८. प्राप्तांक श्रेणीचा मध्य बिंदु म्हणजे ----- होय
 - अ) मध्यमान च) मध्यका क) बहुलग
- ९. पदमालेत जे पदमुल्य पुन्हा पुन्हा येतात त्याला ------ असे म्हणतात.
 - अ) मध्यमान ब) मध्यका क) बहुलग
- १०. M या इंग्रजी अक्षराने ----- ओळखले जातात.
 - अ) मध्यमान ब) मध्यका क) बहुलग

प्रश्न २ तोंडी परिक्षावर आधारीत प्रश्नाचे योग्य पर्याय निवडा.

१. ६३,३६० इंच = -----

2. ----

अ) ? यार्ड ब) ? मैल क) ? फुट

अ) m ब) mdn क) mode

- पुथ्वीगोल म्हणजे पृथ्वीची ----- प्रक्रिया होय.
- अ) आकृती बच्च ब) प्रतिकृतीबच्च क) प्रमाणबच्च प्रश्न ३ प्रात्येक्षिक वही

Gondwana University Gadchiroli Pratical Exam online B.A. I Year, sem je nome: - Shiveyi Mahurichpaleerry Jodchiroli ne of student: Suwarna Ashore chardhart B.A.I Sem eess 2. :- Geograpy subject - surana Ashok chawdhen form Mobile No Date of Exam : 7/01 2022 winter प्रस 1 ला योग् जमायी शाद्य निवर्त ताक्य पूर्व and ्रिश्वीन्त्री प्रतिकृती प्रश्वीवरोख आह 3 उगाईन में अवग्राम्स्से जानवान निर्मात केलेल्या स्वित्रिय छटकुस्ती जाहिनी दर्शवली अगेत डाल्यान टॉलेकी आ शारमान संप्रग त प्राचीना परिष्ठ मोज्यन माठला. 12 = 1 201 è areganion - 3+18201 3112. 10,0000 7 3134110112 3418201 31182 अंछानी रचना कुल्लाम्या पहलीला स्मारगाय आसे महगमान. Teacher's Signature

Page No. Date म्प्रात अंग्रु पदमुल्यांनुसार लिहील्यान मेर्न N MORE 31811 200 101 OISTA GENICAL 780141000 8 प्रात्मांड कार्रायी भग्न सिंदू रहेको संद्याद्या ET4. अदमालने जे पदमुल्हें प्रमा प्रहा रहा रोतान ि (भामा भन्द्रभगाम उत्त उह्रातात. (10 M 21 इंग्रेनी अहारीन भाषात्रा आव्यतन of sildia. y 225 0. 63,360 in = 170 M = EX (D) A प्रद्वीगाल म्हलेन प्रद्वीती प्रमानवच्छ प्राव्था थम. Teacher's Signature...

Gondwana University, Gadchiroli Practical Exam B.A. II Year Sem. III 2021-22

College Name	e :- Shivaji Mahavidyalaya, Gadchiroli	
Name Of Stu	dent :	
Class	:- B.A. III Sem.	
Subject	:- Geography	
Mobile No	:	
Date of Exam	:- / /202 2 _	
प्रश्न १ ला योग्य पर्या	ंची शब्द निवडून वाक्य पुर्ण करा.	२० मार्क
१. एखादया भुप्रव	देशातील चेगचेगळया ठिकाणच्या उंचीतील फरकास	- म्हणतात.
अ) नकाशा	ब) उताय क) बेंच मार्क	
२. नकाशात दर्शी	वेलेल्या समोच्छा रेषा जेव्हा दुर-दुर अंतरावर असतो तेव्हा तिथे	दिसते.
अ) तिव्र उतार	ब) विषम उतार क) मंद उतार	
३. हिमनदीच्या घ	र्षण कार्यामुळे तयार होतो.	
अ) सर्क	ब) लॉबती दरी क) कडा	
४. नकाशावर सार	ख्या उंचीच्या स्थळांना जोडणाऱ्या रेषांना	म्हणतात.
अ) सिवा	ब) समोच्याता रेषा क) खिंड	
५. भारतीय स्थलनि	नर्देशक नकाशे विभागातर्फे प्रकाशित होतात.	
अ) भारतीय स	बेंक्षण ब) आंतरराष्ट्रीय सर्वेक्षण क) यापैकी नाही	
६. भारतात स्थलनि	त्देशक सर्वेक्षण विभागाचे मुख्य कार्यालय येथे आहे	ί.
अ) चेन्नई	ब) मुंबई क) देहरादुन	
७. १ इंचास ४ मेल	। या प्रमाणावरील नकाशांना म्हणतात.	
अ) अर्था इंची :	नकाशा ब) एक इंची नकाशा क) चतुर्थांशशीट	
८. नकाशात देशार्च	ो राजधानी ओळखण्यासाठी या सांख्येतीक ि	चन्हाचा वापर करतात.
अ) 🔘	च) • क) O	
९. लहान क्षेत्रफळाच	वा नकांशा तयार करण्यासाठी पथ्वतीचा उपय	गेग होतो.
अ) विकीरण	ब) छेदन क) चेढा	
१०. प्लेन टेबल सर्वेक्ष	णात उत्तर दिशा दर्शविण्यासाठी हे उपकरण व	ापरतात.
अ) दशरिषा	ब) स्पिरीठ लेव्हल क) चुंबकीय सुई	
प्रश्न २ तोंडी परिक्षेवर 3	गधारीत प्रश्नांचे योग्य पर्याय निवडा.	०३ मार्क
 समोच्य रेषा एकः 	मेकांना स्पर्श करतात त्या भरुपाला म्हणतात.	
अ) खिंह	ब) पठार क) कडा	
२. पाव डंची नकाशा	वरील समोच्छ रेषांतर असते	
आ) २५० फट	ब) २५० इंच क) २५० मैल	
3. फोने टेबल सर्वेक्ष	गामध्ये समपातळीसाती या उपकरणाजा राणा	-
अ) स्पिरीत लेक	ब) तिपाई क) फलक	exult:
प्रश्न ३ प्रात्येक्षीक वही	and the set of the set	an mot
and the start start		०२ माफ

Gondwand University, Gadchiroli Practical Exam Online B. APATTY Year Sem Pet college Name: - shivasi mahavidyalana, crudchiroli Name of student: Mohini bramhamwade 20+13(-23) class : B.A JI Year sem III Subject : . ueography mobile No :--Date of Exam: 07/ 01/2022 winter प्रस्न 1 योग्य पर्याधी साठद लिखऊन वाक्य पुर्व करा.] पुखादया भूप्रदेशातील केल्विंगच्या हिकाणन्या। A उंचीतील फरकाल देने भाक स्टानात. 260ानात, 2) नजाबात वर्षावैलेल्या समोन्छा देषा जेव्हा दुर-दुर अंतन्दादन् असती नेव्हा लिथे व लिप उतार दिसते. हिमनदीच्या राषीत मार्थामुळे लोखनी दरी नया र 37 C Teacher's Signature

Page No. Date नकाशावर ज्यार्ट्या उत्तीचा क्रार्टाना जाडगाण्या र्षाना समान्याल २७। 7501414. आरतीय भारतीय न्धाननिर्द्धाक नकारे। आर न्यवस्ता विभागानक प्रकालित होतान. 5] Magor e भारतात न्ह्रलीनेदेवाक लतिवा विभागानी भुवय 61 कार्यालय दहरादन येथे आहे. 0 इंचाय द मेल या प्रभागावरील नकावांता T · - - यत्त्रादित्वार PINIO36 .0 मकायात देशाची राजसानी झोलखण्यायारी 8 साळातेळ ाचेन्हान्या वापर करतात 211 A 0 लहान खेनफळाचा नकामा तथार करव्यानाती 3) पद्धतीन्धा अपरागत 061 0 under Zam and 2011 301 301 - 1921 426 विष्णायाही 101 -yaiantu 4/2 E 3497201 QIUKAIN, Teacher's Signature.

Page No. तांडी परिद्धेतर आहारित प्रश्नांनी योग्य प्राधि v समोन्ध रेषा जनमकांता स्पर्श करनात त्या absi Deoimin. पाव इंगी मकाव्यावरील सामेग्च देषांतर 250 मेल उक्सते 2 लोने टेबल क्वीदींगाम्ह्यें समयातन्त्रीसाही क्वीरीढ लिक्टल या उपकरगान्या वापर करनात, Teacher's Signature ...

Gondwana University, Gadchiroli Practical Exam B.A. III Year Sem. V 2021-22

College Name :- Shivaji Mahavidyalaya, Gadchiroli Name Of Student :-:- B.A. V Sem. Class Subject :- Geography Mobile No :-Date of Exam :- / /2022 20 TTE प्रश्न १ ला योग्य पर्यायी शब्द निवडून वाचय पूर्ण करा. अ) चौरस ब) प्रमाण क) छेंद २. खालील पैकी नकाशावरील चौरसाची बाजू ठरविणारे सूत्र कोणते. अ) नविन चौरसाची बाजू = मुळचौरसाची बाजु x मूळ नकाशा प्रमाणछंव नविन नकाशा प्रमाणछेद . ब) नविन चौरसाची बाजू = मुळ नकाशा प्रमाण छेद 🔨 नळ चौरसाची बाज् नविन नकाशा प्रमाणछेव क) नविन चौरसाची बाजू = नविन नकाशा प्रमाण छद x मूळ चौरसाची बाज् मुळ नकाशा प्रमाणछेद ३. ----- म्हणजे जमिनिवरील अंतरे मोजण्याची कला होय अ) ताळेबंध ब) दिगांश क) सर्वेक्षण ४. लोलकीय होकायंत्र या उपकरणाने प्रथम ----- दिशा टरचिता येते. अ) उत्तर ब) दक्षिण क) पुर्य कॅप्टन केटल यांना ----- मध्ये लोलकी होकायंत्राची रचना केली. अ) १९१२ व) १९१३ क) १९१४ एकाच प्रकारचा बदल दर्शविणाऱ्या आकृतीस ----- आकृत्या म्हणतात. अ) एकमितीय ब) द्विमीतीय क) त्रिमीतीय ७. एकाच प्रमाणावर एकपेक्षा अधिक घटक दर्शविणे याला ----- म्हणतात. अ) साधारेषालय ब) संयुक्त रेषालय क) बहुरेषालय ८. भौगोलीक उपघटकांची आकडेवारी अंशात्मक पध्वतीने दर्शविली जाते तेव्हा त्या आनुतीस म्हणतात. अ) विभाजीत आयात ब) विभाजीत वर्तळ क) यापैकी नाही ९. भौगोलीक घटकाचे उपघटक एकास कागदावर प्रत्येक साभात वेगवेगळे दर्शविल्यामुळे तयार होणाऱ्या आकृतीस ----- स्तंभालेख म्हणतात. अ) साधा ब) संयुक्त क) जोड १०. पायारेषेवर एकावर एक स्तंभ काढ्न तयार होणाचा आकृतीस ----- लोकसंख्या मलोग मरणतात. अ) साधा ब) संयुक्त क) अध्यारोधीत

Page No. Gondwona University Gadchizott Poortical Exam Online 20+04 24 College Name :- Shivaji Mahavidolaya Gadchizoli Name of Student :- Shoutika Wamar A. Corelan Tantakwar :- B.A.V Sem Class Subject :- Geography Date. 07/01/2021 पर्राही शब्द निवडून वाक्य शान्स प्रहा 1. yof करा. नकाशांखे न्योरस् प्रमाण बढलवुन नकाशांखे लघुकुरण व विशालीकरण फरतात. 1. 0 खालील पैकी नकारावरील . सेरसावर्ष 2. खालाल प्रया कालत वाजु हरविवारे सुत्र कोश्ताची बाजु मुक नवित जे बाजु जुल चोरसाची बाजु मुक नवित नकाशा प्रमाणवर्ष नकीशा. प्रमाणव all रहनजे जमिनीवरील डांतरे स्मवस्मग् 3. मोजलासी कला होश K Teacher's Signature

Paga No. Date होर्छायँत्र या उपकरनाने प्रयम दिशा हरतिता छेते. लोलको 4. GaTT Srel 3 निज्यम केटल चांता Chuzo 5 केली. Selo] होकार्ग्राची लोलक 0 Testidorium GGO HOREI TOTE G. म्हणतातु. आकृत्या द्वामितार आकृतीस 6) आहिक हाटक एकपेन्ना प्रमागावर TOTE 7 बहरेमनि छ FEOLGIC Gerado याला e घट्यांची आक्रेवारी अँशालमक नगेगोलिक 8. द्शतिली) त्या जाते तेव्हा UGERIA तत्व FEOIGIC asiliste आकृतीस् 0 हात्कारो उपुष्ठत्क कागदावर मोग TIPA TIDIZ 9. रन्तुमान त्राक्तीहरू काटवित्यास 0 आकृतास् हाणाख्य 212/070 PEOLGIG स्तभालेख एक UR [lold 00 da. a 10 आकृता ó GOTION 15113 5150 8EOTETTE मनारा फिसव्हा Teacher's Signature.

Gondwana University, Gadchiroli.

Practical exam sem-I (Winter-2020) Shivaji Mahavidyalaya, Gadchiroli. Subject: Physics

Time: 6 hrs Date: / / 2021 Marks: 30

Name of Student:

- 1. Hooke's law essentially defines_____ [a] Stress [b] Strain [c] Yield Point [d] Elastic limit
- 2. The dimensional formula of stress is ______.
 [a] [M0 L1 T 2] [b] [M0 L-1 T -2] [c] [M1 L-1 T -2] [d] [M0 L1 T 1]
- 3. The nearest approach to the perfectly elastic body is ______.

[a] Quartz fibre [b] Putty [c] Silver [d] Platinum

4. The restoring force per unit area is called ______.

[a] Stress	[b] Strain	[c] Elasticity	[d] Plasticity
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5. The restoring force per unit area perpendicular to the surface is

called _____ stress.

- [a] Longitudinal [b] Tangential [c] Normal [d] Tensile
- 6. Compressibility of a material is reciprocal of ______.
 - [a] Modulus of rigidity [b] Young Modulus [c] Bulk Modulus [d] None
- 7. The work done per unit volume in stretching the wire is equal to_____.
- [a] Stress *Strain [b] (1/2)Stress *Strain [c] Stress /Strain [d] Strain/Stress

8. Units of modulus of elasticity is _____ a] dyne/cm [b] dyne/cm² [c] N/m [d] dyne 9. The ratio of longitudinal stress to linear strain is called ______. [a] Young modulus [b] Bulk modulus [c] Modulus of rigidity [d] None 10. The time period of a torsional pendulum is directly proportional to the square root of [a] Distance [b] Vibration [c] Moment of inertia [d] Force 11. The period of simple pendulum its time period will [a] Increase [b] Decrease [c] remains same [d] infinite 12. The time period of simple pendulum having infinite length is _____ [a] Zero [b] One [c] infinite [d] half 13. The compound pendulum is also known as _____. [a] Simple [b] Physical [c] Katers [d] Torsional 14. The katers pendulum is also known as pendulum. [a] reversible [b] conical [c] simple [d] torsional 15. The time period of compound pendulum do not depends on _____ of the body. a] size [b] shape [c] length [d] mass 16. The bar pendulum is also known as _____ Pendulum. [a] simple [b] compound [c] katers [d] torsional 17. If we increase the length of simple pendulum its time period will [a] increase [b]decrease [c] remain same [d] infinite 18. Youngs modulus is the property of _____ [a] Gas [b] both solid and liquid [c] liquid [d] solid

19. Energy is store in a flywheel in the form of _____

[a] heat energy [b] solar energy [c] kinetic energy [d] potential energy

20. The moment of inertia of a solid circular disk is given by _____

[a] $mR^2/2$ [b] $mR^2/3$ [c] $2mR^2/3$ [d] $mR^2/4$

21. Torsional pendulum is used to determine mass moment of inertia of _____

[a] flywheel [b] rigid bar [c] both a. and b [d] none of the above

22. Which of the following shape of the body can be considered as compound pendulum?

[a] Cylindrical [b] Cubical [c] Cuboidal [d] Any rigid body

23. In order to double the period of a simple pendulum, the length of the string should be

[a] halved [b] doubled [c] quadrupled [d] none of the mentioned

- 24. The periodic time of a compound pendulum will be ______when the axis of rotation passing through the CG.
 - [a] Remain same [b] Minimum [c] None of the these [d] Maximum

25. Modulus of rigidity is defined as the ratio of _____

- [a] longitudinal stress and longitudinal strain
- [b] volumetric stress and volumetric strain
- [c] lateral stress and lateral strain
- [d] shear stress and shear strain

26. The ratio of stress and strain is known as _____

[a] modulus of elasticity [b] youngs modulus

[c] both a and b [d] none of the above

27. The surface of the water in contact with the glass wall is _____

[a] plane [b] concave [c] convex [d] both a and b 28. when impurity is added to a liquid, its surface tension _____.

[a] decreases [b]increases [c] remains same [d] none of these 29. SI unit of surface tension is _____.

[a]Nm² [b]Nm [c] N/m [d] N/m²

30. Rain drop are spherical in shape because of_____

[a]surface tension[b] capillary[c] downward motion[d] acceleration due to gravity

Gondwana University, Gadchiroli.

Practical exam sem-III (Winter-2020) Shivaji Mahavidyalaya, Gadchiroli. Subject: Physics

Time: 6 hrs Date: / / 2021	Marks: 30
Name of Student:	
1) Heat capacity has units as	
(a) J/kg.K (b) J/mol.K (c) J.ohr	m/sec.K ² (d) W/m.k
2) With increase in temperature, thermal cor	ductivity of a metal
(a) Increases (b) Decreases (c) Eithe	er (d) All, depending on metal.
3) Units for thermal conductivity	
(a) J/kg.K (b) J/mol.K (c) J.ohr	m/sec.K² (d) W/m.K
4) The value of Stefan's constant is	
(a)5.996 x 10 ⁻⁸ w m ⁻² k ¹ (b) 4.32	19 x 10 ⁻⁸ w m ⁻² k ⁻¹
(c) 5.6696 x 10 ⁸ w m ⁻² k ⁻¹ (d) 5.66	96 x 10 ⁷ w m ⁻²
5) Lee's method for bad conductors a steady	current passed through
(a) heater coil (b) thermo couples	(c) thin disk (d) copper plates
6) Searle's method determined by	
(a) conductivity	(b) thermal conductivity
(c) co-efficient of thermal conductivity	(d)temperature

7)has the highest value of thermal conductivity.						
a) Copper (b)	Aluminium	(c) Brass	(d) Steel			
0) Machanical annivelant is associate with						
a) Newton (b)	8) Mechanical equivalent is associate with					
	NCIVIII					
9) The mechanical equivalent of heat is						
(a) has the same dimension as heat (b) has the same dimension as energy						
(c) has the same dimension as work (d) dimensionless						
10) The energy emitted by a black surface should not vary accordance with						
a) Wavelength	a) Wavelength b) Temperature c) Surface characteristics d) Time			eristics d) Time		
11) The Blanck's constant h has the dimensions equal to						
a) MI^2T^{-1} b) N	$A T^{-1}$ c) MI	T ⁻² d) MI				
12) Planck's law is give	12) Planck's law is given by					
a) (E) _b = 2 pi c ² h	a) (E) _b = 2 pi $c^{2}h$ (Wavelength) $^{-5}/[c h/k (Wavelength) T]^{-2}$					
b) (E) _b = pi c²h [e	b) (E) _b = pi c ² h [exponential [c h/k (Wavelength) T] ⁻³					
c) (E) _b = 2 pi c ² h	c) (E) _b = 2 pi c ² h (Wavelength) ⁻⁵ /exponential [c h/k (Wavelength) T] ⁻¹					
d) (E) _b =2 c ² h (Wavelength) /exponential [c h/k (Wavelength) T] ⁻⁶						
13) The Stefan-Boltzmann constant has units of						
a) kcal/m² hr K ⁴	b) kcal/m h	r K ⁴ c) kca	al/hr K⁴	d) kcal/m² K ⁴		
14) The Stefan-Boltzmann law of thermal radiation is applicable for						
a) white body	b) grav body	v c) bla	ick body	d) all the bodies		
.,,		,		.,		
15) The Stefan-Boltzman constant depends on the						
a) Medium	b) Temperat	ture c) Su	rface	d) None of these		
16) Stefan Boltzmann law is applicable for heat transfer by						
a) conduction	a) conduction b) convection					
c) radiation d) conduction and radiation combined						

17) If two events (both with probability greater	r than 0) are mutually exclusive,
then:	

a) They also must be independentb) They also could be independentc) They cannot be independent.d) They cannot be complements.

18) What happens to the half-life of a radioactive substance as it decays?

a)It remains constant

b) It increases

c) It decreases. d) It could do any of these.

19) A Geiger-Muller tube is a.....

- (a) gas ionization detector (b) cloud chamber
- (c) fluorescence detector (d) spectrophotometer
- 20) Which type of radiation is the least penetrating?

(a) alpha (b) beta (c) gamma (d) x-ray

Gondwana University, Gadchiroli.

Practical exam sem-V (Winter-2020) Shivaji Mahavidyalaya, Gadchiroli. Subject: Physics

Time: 6 hrs Date: / / 2021 Marks: 30

Name of Student:

1) A crystal diode has

a) one pn jubitionb) two pn junitionsc) Three pn junctionsd) none of the above.

2) A crystal diode is used as.....

a) an amplifiesb) an oscillatorc) a Sertifiezd) a voltage regulator

3) A Zenez diode is.....device.a) a non-linear b) a linear c) an amplifying d) none of the above.

4) Photoelectric effect was explained by.....
(a) Einstein b) faznday c) plank d) Hertz.

5) The planck's constant h has the dimensions....

a) $ML^{2}T^{-1}$ b) MLT^{-1} c) MLT^{-2} d) MLT.

6) The ionization potential of mercury is approximately,

a) 5.4 V b) 8.4 V c) 10.4 V d) 16.4 V

7) Hydrogen atom in ground state is excited by a monachromatic radiation of lambda = 975 Å. The number of spectral lines in the Resulting spectrum emitted will be:

a) 3 **b) 2** c) 6 d) 10. 8) E/m ratio of cathode says was determined by:..... c) Cavindich d) J.J. Thomson a) Faraday b) Rutherford 9) Cathode ray consist of c) Neuron d) none of these a) electron b) Proton **10)** X-ray are produced when strikes on:..... a) Non-metal b) metal c) material d) none of these 10) Atomic parking factor is a) Distance between two adjacent atoms b) projected area fraction of atoms in cell c) vol. fraction of atoms in cell. d) none. 11) coordination no in simple cubic crystal Structure. a)1 **b)** 2 c) 3 **d)** 4 12) The atomic diameter of an BCC crystal is c) a/ $(4/\sqrt{3})$ b) a/2 d) none of these a) a 13) coordination number for closest packed crystal structure a) 16 **b) 12** c) 8 **d)4** 14) magnetic permeability has units as a) Wb/m^2 b) Wb/A.m c) A/m d) Tesla /m² 15) magnetic field strength's units are.... a) Wb/m² b) Wb/A.m c) A/m d) Tesla /m²

BSc.II year

- 1. What is radius ratio?
- 2. Write Borb -Land exation?
- 3. Write any one application oFAJAN's rule?
- 4. Limitation of Lowry -Brosted theory?
- 5. What is screening effect?
- 6. **Defination of ionization potential**?
- 7. **Explain back-bonding**.
- 8. Electronic configuration of Xe?
- 9. **Explain Chemical twins**.
- 10. What is the position of actinide element in the periodic table.
- 11. Draw structure of Borazine.
- 12. Write any two basiic properties of iodine.
- 13. Draw structure of pyro silicates.
- 14. Explain cubic close packed structure.
- 15. Explain AX5 type of Interhalogen Compounds.

16.Write statement of Raults law of ideal solution.

17.What is Henry's law.

18. Detination of azeotropic mixtures.

19. Draw the graph of phenol -water system.

20. Statement and formula of nernst distribution law.

21.Write any two application of distribution law in the process of extration.

22.Any two Limitation of first law of thermodynamics.

23.Write expression of efficiency (s) of Carnot engine.

24. Defined Entropy and Entropy change.

25.Explain unit of reaction rate.

26. Write Arrhenius equation.

27.Write any two failures of Collision theoru.

28.What is Molarity .

29. What is electron Spin Angulat Momentum.

30. What is Magnetic Susceptibility.

One mark questions.

- 1) What is mean by spectroscopy?
- 2) What is chemical shift?
- 3) What is rubber ?
- 4) What is polymer?
- 5) How nylon-6,6 is prepared ?
- 6) Write down the structure of nylon- 6,6
- 7) Give two uses of nylon
- 8) Write down the formula of ethyl aceto acetate.
- 9) Write down the reaction of claisen condensation.
- 10) What is green chemistry?
- 11) What is cathode and anode?
- **12)** What is conductance?
- 13) What is insulator?
- 14) Which solution is used in salt bridge?
- 15) What is reference electrode?
- 16) What is calomel electode?
- **17)** What is the acid base titration ?
- 18) Which apparatus is used in titration?
- 19) What is mean by solubility?
- 20) What is conductivity cell?
- 21) What is cell constant?
- 22) What is electrolyte and non electrolyte?
- 23) What is conductometrically?
- 24) What is potentiometrically?

- **25)** Give the example of Strong acid and weak base.
- **26)** What is redox titration ?
- **27)** Which microwave is used in green chemistry ?
- 28) What is NMR spectroscopy?
- **29)** What is addition reaction ? , Give an example.
- **30)** What is the spin-spin coupling ?

The end

Feadical Exam	\bigcirc
<u>Class</u> : - B.SC Ist year Somister -I <u>Sub</u> : - zoology. <u>Marks</u> : - 30	
Digestive System of leech Consists of:	
a) Alimentary Conal & Digestive grond. D) Rectum	
c) Ceop d) phaymore	
2) How mony pairs of nephridice are deen extending the 6th to 22nd Segments in deech ?	from
a) 16 paires b) 14 paires c) 17 paires d) 15 paires	
3) Which are pair of Coelomic Lac Situated in the	
a) Common oviduct b) ovisads	
c) oviducts d) vagina	
a) Easthworm is:	
a) Hypospadias b) Ambiguous genitatia c) Miceopenis d) Heemaphrodite	
5) Each Spermatheca is a shape of Atructure Jemale reproductive organs in Ecuttworm.	, m
a) flask b) oval	
a) naceow d) ciede	

6) pasamecium is Commonly Known as:____ a) Organ pipe Cored b) Stipper mimalcule c) dea Anomone Dronus flower basket. 7) Tubipoear belongs to the class: ____ a) Calcarea 6) Herea dimettida d) Lyphozoel c) Andhozoa 8) Apheodite is a _____ bueewing from mud in drep water. a) fresh D'Maine and brackish c) Marine d) brackish 9) which is the first laeval stage in the dife cycle of Jasciola hepatica ? a) Antizoea b) mauplius c) Ceecaria d) Misacidium 10) _____ execetory Conals are present in T. S. of female Ascales. a) one dateed b) four lateral d) Three Jateral c) Two dateral 1) Amoeba is a minute organism measuring from_ a) 0.75 mm to 1.00 mm b) 0.85 mm to 1.00 mm c) 0.75 mm to 0.25 mm d) 0.25 mm to 1.00 mm

3 12) Euplectiller is a 5) free Swimming Sponge a) Duerow sponge d) Salitary Sponge c) Colony Sponge 13) liver Huke Causes a disease Called : ____ a) Heart - eat b) lives - eat d) stomatch - tat c) Intestine - toit 13 Meduser is: a) Umbeella like structure b) rod like structure 3 Diamond like steucture d) Rectangular like strudier 15) Entamoeber is a: ____ a) ciliated proctozoons (5) Flagellated proctozoons c) preasitic protozoons d) Amochaid protozoons 16) The dissecting microscope hers a ____ lens system a) foreth b) single C) Teipal d) double 17) Its cell wall is followed by _____ which is lipopeatein in nature. a) Eendeplasmic Reliculum b) Ribosome c) plasma membrene d) Mutechondria 18) _____: RBC immessed in isotonic Salution seton normal biconceive shave. a) In Isortonic dal 6) In Hypertonic doll. d) In Hypodonic Solt. 3) Nacl Salm

d) Sub-pharygeal gonglia

5 25) How many classes in phylum Coelenteeater ? 6) five a) Three d)one c) Two 28) platyhelmindhes are bilateeally Lymmetrical and does oventrally flattened weems is also called; ____ 6) Earth worms a) round worms d) segmented worms. c) Flat worms 27) Neeles is found in: a) buegowns in sond b) water d) air c) battom in pound 28) Ancylostoma is belongs ito the phylum: ____ à) plastryhelminstres b) Annelida 2) Coelenterata d) Aschelmindhes 23) class Calcareer is belongs to the phylum:_ a) Coelenteeater b) proctozoa d) Amelida c) porés ferra 30) How mony parts of Compound microscope? 6)11 a) 15 d) 10 c) 5

Peactical Eseam
<u>Class:</u> B.Sc IInd <u>Som</u> : - III
<u>Bub</u> : - zoology, Maeros: - 30
1) In Labeo, twee is absent.
a) Stomach. b) Lives
c) tectum d) onus
2) Testis 'is Continued postecionely into a duct which opens into the usingenital simus, a) Speem b) genital c) ovidud d) aschimephric duct
3) The putuitary glond is of the lepto-doeso basic type. It consist of: a) Acidophils & basophils b) hypophysis & basophils c) neurophysis & adenohypophysis d) Neurophysis & basophils
a) Round 6) Diomond c) peas d) long
5) what is the class of Labeo Robita, ?
a) Cyclostomata b) lepto caedii a) Osteichttyes d) Ascidiacea

to the subphylum:_ 6) Datiolum belongs a) Amphibia 5) Cephalochordata d) Cyclostomata c) Veo chordata 7) Salamonder belong to the Duvision: ____ b) Agnactha a) Granthostomate c) Hypotsemata d) Mysicoidea 8) Valanus is Commonly Known as: ____ a) Flying - dizaed D'monitor dizard c) Sungazer lizaed d) lava lizard 9) Loege robust bied is : _____ 6) King Jisher a) woodpeckee c) out d) Duck deep in Submicosa and tunica and 10)_____ lie open in the cappets. a) Thymus gland b) Brunnes gland d) Mucosa c) decosa i) juppifees cells are attaached to the wall's of:a) Simusoids b) Hepatic cell d) central vein c) Blue duct

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12) which scales are present in teleosts and dipnoil fish. a) placoid scales 6) Cycloid Scales c) Ctenoid Scales d) cosmoid & cales 13) In the T.S. of Caetilage the matrice is deposited with numerous : a) Lacunae 6) chondrocytes c) yellow elastic fibres d) greon elastic fibres 1) which bone is Known as breast bone ? a) dynsacrum b) Humerus d) figostyle c) steenum 15) & cours is joemed by the Jusion of: ____ a) 4 Sacral Vertebrae 6) 2 Sacral Vertebrae c) 3 Lacral Veetebrae d) 5 Sacral Veetebrae 16) The Caebohydeates and Caebohydrate rich macromalecules are demonstrated by: a) PAC b) PAS d) APT c) GAP 17) Salivary Amylase is also Known as:___ 6) pty alin a) pepsm d) maltose c) Trypsm

18) The proteins are ____ in a cell. a) Omnipotent 6) amino acid d) fibrous c) Albumen 19) The lowey method is Sensitive to PH changes and there fore PH of assay solution should be maintained at: a) 12 to 20.5 6) 10 to 10.5 c) 10 to 20.5 d) 10 to 30.5 20) The Response is now possilive in all the tests. The presence is disaccharide Sugar in the original given Lalution de powder is a) Monosacchaeides b) Bonedicts test c) Confirmed as disaccharide d) Ferlings test. 2) which group belongs in the phylum chordater? a) Acronia and Graniata b) Agnatha & Gnath astomate c) Hyportremater & d) Cyclostomála & Elasmbranche Ostaciophysi 22) Modopiteus is Commonly Known as: _ a) Chital b) magur c) Flying fish d) Electeic - ray

23) Our belongs to the class: a) Reptilia D mammalia c) Aves d) Amphibia 24) Maja is Commonly Known as: a) Krait b) Cobra c) Sea-Snake d) Horemed tood 25) Morerow Cavity is filled with: _ a) bone marerou b) bone lacunae c) bone lamellae d) Canaliculi 22) The Skin is Composed of: a) four layees 6) Three layers c) one layer d) Two layers 27) what is long from of PAS ? a) presidic Alcohal - Sching 6) preciodic Acid - Schills c) periodic Acid - Sulphate d) periodic Alcohol - Schigg

23) How mony bone are present in Human body? a) 207 b) 206 c) 205 d) 208

30) what is long from of L.S. a) largest surrounded 6) local skull c) longitudinal Section d) lower section

eadical Exam maek: - 30 Class: - B.SC III'd Sem: -V Sub: - zoology (3.1) Calta is belongs to the subclass:-6) Adinoptice y gei a) Ostei chatyes d) Ganthostomater c) pisces (3.2) Cirectinus is Commonly Called as: c) tohu a) Europeon Carp 6) Magurs d) Meigal is Commonly Known as. Edecteic-ray (& 3) _ a) Toleadon b) Hippocompus c) Toupedo d) prestis (9.9) Teteadon is belongs to the order : a) Syngnastri Joens b) plectognarthi c) Synentognathi d) pleurone di forms. 8.5 Commonly Called as water Hca. a) Keestella b) Cypreis c) Daphnia d) syclops.

<u>g.6</u>) Beanchions is a ____ chaeacterized by a presence of corona, i.e a ciliated wheel like structur a) Ratizee b) choedater c) Aethropoda d) Amnelida 9.7) A nomographic and a ____ methods are described Joe the Vestimation of free Co2 in water a) Conductometric 6) Complexemetric a) Titeimetric a) Spectrometric (3.8) The alkalinity of water is a measure of its Capacity to ____ the acids. a) neutralize D) acidic d) Alkaline c) basic Q.9) Tuebidity waters are ____ ond are not accepted for donnestic use. a) biological organisms b) a esthelically displeasant 6) Calibration of Nephelo d) Calloidal padicles. 3.10) Ophiocephalus is Commonly Called as a) European Carep 6) Meigal c) Snake - headed fish d) Magur. g. 11) clasias body is - ond Scaleless. a) elongated 6) oval 2) flattend d) naceow with

(3.12) The Secchi disk as created in - by Angelo (3) Secchi, is a plon white, circular disk 30 cm? a) 1868 b) 1861 d) 1865 c) 1856 _ is used to measure tuebidity in the laboratory a) Tuebidity meter b) Von darm Bodlle c) Conductivity meter d) Secchi dist Q.19) Which grouped Consists of into planktons? a) phyto plankton and d) Monogonata zooplonktons d) Copepoda c) Crustacea 3.15) The PONAR Greab Somplex Conside of a) Three d) four c) Two opposing domi -1 one Circular Jaws <u>a.16</u> pyeilla peepysilla Commonly Known, as:a) Catton ballwarm D'Stored grain weevil c) Common pert d) Sugar come plant hopper, (e.17) Sitophilus organe is belongs to the family_ a) Cueculionidae 6) Lyrphidea c) be etter d) Hemiptera



29) Where F = _____. a) Fat Content of mills b) Force c) Fat c) Frequency.

30) Which is the largest river in India 2 a) Bromhaputed river b) Gonga River c) Godavari River d) Indus river.