

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD



Class	: 12	Subject : BIOLOGY	Term : SECOND TERM	Max Ma	rks : 80
Q1:	Antibodies present	in the colostrum which protects th	e new born from certain diseases	Marks :	1
	1. lgG				
	2 . IgA		(This Answer is Correct)		
	3. IgD				
	4 . IgE				
Q 2 :	Which of the follow	ing is not a lymphoid tissue?		Marks :	1
	1. Spleen				
	2. Tonsils				
	3. Pancreas		(This Answer is Correct)		
	4 . Thymus				
Q3:	Methanogenic bact	teria are not found in		Marks :	1
	1 . Rumen of cattle				
	2 . Gobar gas plant				
	3 . Bottom of water I	ogged paddy field			
	4 • Activated sludge		(This Answer is Correct)		
Q4:	Which of the follow	ing is not used as a biopesticide?		Marks :	1
	1 . Trichoderma sp				
	2. Nucleopolyhedro	virus			
	3 . Xanthomonas ca	mpestris	(This Answer is Correct)		
	4 . Bacillus thuringie	ensis			
Q5:	The vitamin whose	content increases following the co	onversion of milk to curd by Lactic Acid Bacteria is	Marks :	1
	1. Vitamin C				
	2. Vitamin D				
	3 Vitamin B12		(This Answer is Correct)		
	4 . Vitamin E		_		

Q6:	In paddy fields, which of the following serves as important bi	ofertilizer?	Marks:	1
	1. Fungi			
	2 . Bacteria			
	3 . Cyanobacteria	(This Answer is Correct)		
	4 . All of the above			
Q7:	Which of the following elements are obtained by Glomus and	d passes on to the plant?	Marks :	1
	1. Potassium			
	2. Phosphorus	(This Answer is Correct)		
	3. Nitrogen			
	4. Carbon			
Q8:	The primary treatment involves		Marks :	1
	1. Filtration			
	2 . Sedimentation			
	3 . Filtration and sedimentation	(This Answer is Correct)		
	4 . Digestion by microbes			
Q9:	Penicillium acts on		Marks :	1
	1 . Escherichia coli			
	2 . Staphylococcus sp	(This Answer is Correct)		
	3 . Rhizobium sp			
	4 . Penicillium notatum			
Q 10 :	Atropa belladonahasproperties.		Marks:	1
	1 . Hallucinogenic	(This Answer is Correct)		
	2 . Sedative			
	3 . Analgesic			
	4. Antiallergic			
-				
Q 11 :	Which of the following is not a way of treatment in cancer?		Marks :	1
	1. Surgery			
	2 . Radiotherapy			
	3 . Chemotherapy	_		
	4 . Magnetic Resonance Imaging (MRI)	(This Answer is Correct)		

Q 12 :	For retroviruses, the viral DNA is produced by		Marks:	1
	1. Replication			
	2. Reverse transcription	(This Answer is Correct)		
	3. Transcription			
	4 . Transduction			
Q 13 :	Which of the following reduces the symptoms of allergy?		Marks :	1
	1. Adrenaline			
	2. Steroids			
	3 . Anti-histamine			
	4 . All of the above	(This Answer is Correct)		
Q 14 :	During the life cycle of Plasmodium, sexual reproduction ta	kes place in which of the following hosts?	Marks :	1
	1. Human			
	2 . Female Anopheles mosquito	(This Answer is Correct)		
	3 . Male anopheles mosquito			
	4 . Both male and female Anopheles mosquito			
Q 15 :	When there is a change in allele frequency of a population population leading to the formation of new species, it is call		Marks :	1
	1 . Natural selection			
	2. Founder effect	(This Answer is Correct)		
	3 . Bottle-neck effect			
	4 . None of the above			
Q 16 :	The triplet that codes for Alanine is		Marks :	1
	1. GGG			
	2. AAG			
	3. GAA			
	4. GCU	(This Answer is Correct)		
Q 17 :	If the base sequence of a codon in mRNA is 5'-UAC-3', the	sequence of tRNA pairing with it must be	Marks :	1
	1 . 5' - UAC- 3'			
	2 . 5'-CAU-3'			
	3 . 5'- AUG-3'			
	4. 5'-GUA-3'	(This Answer is Correct)		

Q 18 :	The mutations that involve addition, deletion or su	bstitution of a single pair ina gene are referred to as	Marks:	1
	1 . Point mutations	(This Answer is Correct)		
	2 . Lethal mutations			
	3 . Silent mutation			
	4 . Retrogressive mutation			
Q 19 :	During transcription, RNA polymerase binds to		Marks :	1
	1 . Promoter	(This Answer is Correct)		
	2 . Regulator	_		
	3. Receptor			
	4. Enhancer			
Q 20 :	In Messelson-Stahl's experiment, the number of h transferring from 15 N to 14N medium [I generation		Marks :	1
	1. Zero			
	2 . One	(This Answer is Correct)		
	3 . Two			
	4. Three			
Q 21 :	In DNA replication, the discontinuously synthesize	d fragments were formed from	Marks :	1
	1 . Template strand 5'-3'	(This Answer is Correct)		
	2 . Template strand 3'-5'			
	3 . Template strands 5' - 3' and template strand 3' -	5'		
	4 . Not formed at all			
Q 22 :	If the sequence of bases in DNA is GCTTAGGCA.	A when the sequence of bases in the transcript will	Marks :	1
	1. GCTTAGGCAA			
	2. CGAATCCGTT			
	3. CGAAUCCGUU	(This Answer is Correct)		
	4. AACGGAUUCG			
Q 23 :	There are no tRNA for		Marks :	1
	1. CGA			
	2. UGA	(This Answer is Correct)		
	3 AUG			

4. AGA

Q 24 :	When a single gene may express more than one effect, the phenomenon is called	Marks:	1
·	1 . Multiple allelism		
	2 . Mosaicism		
	3 . Pleiotropy (This Answer is Correct)		
	4 . Polygeny		
Q 25 :	In the F2 generation of Mendelism dihybrid cross, the number of phenotypes and genotypes are	Marks :	1
4-5	1 . Phenotypes-4, Genotypes-16		
	2 . Phenotypes-9, Genotypes-4		
	3 . Phenotypes- 4, Genotypes- 8		
	4 . Phenotypes- 4, Genotypes-9 (This Answer is Correct)		
Q 26 :	The inheritance of flower colour in Antirrhinum (dog flower) in the F2 generation shows a phenotypic ratio of	Marks :	1
	1. 3:1		
	2. 1:2:1 (This Answer is Correct)		
	3. 1:1		
	4. 2:1		
Q 27 :	Grasshopper is an example of XO type of sex determination in which the males have	Marks :	1
	1 . One X chromosome (This Answer is Correct)		
	2 . One Y chromosome		
	3 . Two X chromosomes		
	4 . No X chromosomes		
Q 28 :	44 + XO genotypes denotes	Marks :	1
	1 . Edwards Syndrome		
	2 . Down's Syndrome		
	3. Turner's Syndrome (This Answer is Correct)		
	4 . Klinefelter's Syndrome		
Q 29 :	The problem of infertility in couples where the male partner has very low sperm count, can be solved by	Marks :	1
	1. IUD		

	2. GIFT			
	3. IUI	(This Answer is Correct)		
	4. ZIFT	_		
Q 30 :	Intensely lactating mothers do not generally conceive due to		Marks :	1
	1 . Suppression of gametic transport			
	2 . Suppression of fertilisation			
	3 . Absence of ovulation	(This Answer is Correct)		
	4 . Hypersecretion of gonadotropins			
Q 31 :	Cu7 and Multiload 375 are effective IUDs because		Marks :	1
	1 . Decrease spermatogenesis			
	2. Suppress sperm motility	(This Answer is Correct)		
	3 . Suppress oogenesis			
	4 . Prevents entry of sperms into the vagina			
Q 32 :	Medical Termination of Pregnancy (MTP) is considered safe during		Marks :	1
	1 . Second trimester			
	2. 12 weeks of pregnancy	(This Answer is Correct)		
	3 . 3 weeks of pregnancy			
	4 . 4 months of pregnancy			
Q 33 :	Which of the following has 23 chromosomes?		Marks :	1
	1 . Oogonia			
	2 . Primary oocyte			
	3 . Secondary oocyte	(This Answer is Correct)		
	4 . All of the above			
Q 34 :	The secretion of gonadotropins increase during		Marks :	1
	1 . Menstruation			
	2. Follicular phase	(This Answer is Correct)		
	3 . Ovulation	_		
	4 . Secretory phase			
Q 35 :	FSH acts on		Marks :	1

Q 35:

(This Answer is Correct)

1 . Sertoli cells

	2 . Leydig Cells			
	3 . Sperms			
	4 . All of the above			
Q 36 :	The 1st polar body is formed at		Marks :	1
	1 . Fetal life			
	2 . Adult reproductive life			
	3. Birth			
	4. Puberty	(This Answer is Correct)		
Q 37 :	Pollens lose viability within half an hour of their release in		Marks :	1
	1. Rose			
	2 . Gram			
	3 . Potato			
	4 . Wheat	(This Answer is Correct)		
Q 38 :	Grasses are commonly		Marks :	1
	1. Hydrophilous			
	2 . Anemophilous	(This Answer is Correct)		
	3 . Entomophilous			
	4 . Ornithophilous			
Q 39 :	Which of the following is a part that participates in reproduction	n of earthworm?	Marks :	1
	1 . Scrotum			
	2 . Clitellum	(This Answer is Correct)		
	3 . Antheridiophore			
	4 . Oogonium			
Q 40 :	Smack' is obtained from		Marks :	1
Q 40 :	Smack' is obtained from 1 Latex of Papaver somniferum	(This Answer is Correct)	Marks :	1
Q 40 :		(This Answer is Correct)	Marks :	1
Q 40 :	1 Latex of Papaver somniferum	(This Answer is Correct)	Marks :	1

Q 41:

During the digestion of sludge, the bacteria does not produce

Marks: 1

1. Methane

	2 . Hydrogen Sulphide			
	3 . Carbon Dioxide			
	4. Ammonia	(This Answer is Correct)		
Q 42 :	Butyric Acid is produced from species of		Marks :	1
	1. Aspergillus			
	2 . Acetoboter			
	3 . Clostridium	(This Answer is Correct)		
	4 . Lactobacillus			
Q 43 :	Typhoid fever can be diagnosed by		Marks :	1
	1 . Widal Test	(This Answer is Correct)		
	2 . Enzymed - Linked Immuno Sorbent Assay	_		
	3 . X- rays			
	4. Biopsy			
Q 44 :	Rheumatoid arthritis is disease.		Marks :	1
	1. Genetic			
	2. Infectious			
	3 . Auto-immune	(This Answer is Correct)		
	4 . Communicable	_		
Q 45 :	AIDS occur by		Marks :	1
	1 . Reduction of T-Helper Cells	(This Answer is Correct)		
	2 Reduction of killer T- Cells			
	3 . Auto immune			
	4 . Less production of interferon			
Q 46 :	In a ribose sugar,		Marks :	1
1	1 . OH is present at 2'	(This Answer is Correct)		
	2. OH is present at 3'			
	3. O is present at 2'			
	4 . CH3 is present at 2'			
Q 47 :	In E.coli, the lac operon gets switched on when		Marks :	1

(This Answer is Correct)

	1 . lactose is present and it binds to the repressor	(This Answer is Correct)		
	2 . repressor binds to the operator			
	3 . Lactose is present and it binds to RNA polymerase			
	4 . RNA polymerase binds to the operator			
Q 48 :	In Hershey and Chase's experiment, they could prove that	DNA is the genetic material as	Marks :	1
	1 . DNA contained Phosphorus but not Sulphur			
	2 . Viruses infect bacteria			
	3 . Protein contain Sulphur nut not Phosphorus			
	4 . Protein contain Sulphur nut not Phosphorus and DNA co	ntained Phosph 6rปีย่อสกระหรรมรคิตราect)		
Q 49 :	RNA polymerase II transcribes		Marks :	1
	1. srRNA			
	2 . tRNA			
	3. hnRNA	(This Answer is Correct)		
	4 . snRNA			
Q 50 :	The processing of hnRNA to form mRNA undergoes		Marks :	1
	1. Splicing			
	2. Capping			
	3 . Tailing			
	4 . All of the above	(This Answer is Correct)		
ຊ 51 :	UTRs are present in		Marks :	1
	1. tRNA			
	2. 5' end of m RNA			
	3. 3' end of m RNA			
	4 . Both 5'end of m RNA and 3' end of m RNA	(This Answer is Correct)		
Q 52 :	The number of codons coding for amino acids is		Marks :	1
	1. 60			
	2. 61	(This Answer is Correct)		
	3.62	_		
	0. 02			

1. 72 hours of ovulation

	2. 72 hours of coitus	(This Answer is Correct)		
	3 . 72 hours of menstruation			
	4 . 72 hours of taking the pill			
Q 54 :	The progesterone level in the body increases		Marks :	1
	1 . At menstruation			
	2 . At ovulation			
	3 . At proliferative phase			
	4 . At luteal phase	(This Answer is Correct)		
Q 55 :	Lower end of uterus is called		Marks :	1
	1. Urethra			
	2. Cervix	(This Answer is Correct)		
	3. Clitoris			
	4. Vulva			
Q 56 :	The large holes in swiss cheese is due to the release of CO2 by		Marks :	1
	1 . Trichoderma polysporum			
	2 . Propionibacterium sharmanii	(This Answer is Correct)		
	3 . Acetobacter aceti	_		
	4 . Saccharomyces cerevisiae			
Q 57 :	The process of release of sperms from the seminiferous tubules is	called	Marks :	1
	1 . Spermatogenesis			
	2 . Spermiogenesis			
	3 . Spermiation	(This Answer is Correct)		
	4 . Spermatozoation	_		
Q 58 :	Protection of the anther and its dehiscence is not a function of		Marks :	1
	1 . Tapetum	(This Answer is Correct)		
	2 . Epidermis			
	3 . Endothecium			
	4 . Middle layer			
Q 59 :	Penicillium reproduces by		Marks :	1

https://www.slscampuscare.in/QuestionBank/QuestionBankReport?menuid=501

Q 59:

	1. Buds			
	2 . Conidia	(This Answer is Correct)		
	3 . Chlamydospore			
	4 . Gemmule			
Q 60 :	The vital link that ensures continuity of species of one generation ar	nd the next is	Marks :	1
	1. Gametes			
	2. Chromosomes			
	3 . Zygote	(This Answer is Correct)		
	4 . Embryo			
Q 61 :	The substance that protect other cells from further infection during a immune system is	viral infection or activates the	Marks :	1
	1 . Serotonin			
	2. Dopamine			
	3 . Interferon	(This Answer is Correct)		
	4 . Histamine			
Q 62 :	BOD of wastewater is estimated by measuring the amount of		Marks :	1
	1 . Total organic matter			
	2 . Biodegradeable organic matter			
	3. Oxygen evolution			
	4 . Oxygen consumption	(This Answer is Correct)		
Q 63 :	The drink produced without distillation is		Marks :	1
	1. Wine	(This Answer is Correct)		
	2. Whisky	_		
	3. Rum			
	4. Brandy			
Q 64 :	Injection of antitoxin in tetanus confers which type of immunisation?		Marks :	1
	1 . Active immunisation			
	2 . Passive immunisation	(This Answer is Correct)		
	3 . Auto immunisation	_		
	4 . Humoral immunisation			

Q 65 :	An antibody is represented as		warks :	1
	1. H1L2			
	2. H4L2			
	3. H2L2	(This Answer is Correct)		
	4 . H2L1			
Q 66 :	Vaccine against polio viruses is an example of		Marks :	1
	1 . Auto immunisation			
	2 . Passive immunisation			
	3 . Active immunisation	(This Answer is Correct)		
	4 . Simple immunisation			
Q 67 :	Darwin's finches show		Marks :	1
	1. Divergent Evolution			
	2 . Adaptive Radiation	(This Answer is Correct)		
	3 . Convergent Evolution			
	4 . All of the above			
Q 68 :	A phosphate group is linked to 5'-OH of the nucleoside by		Marks :	1
	1 . Phosphodiester Bond			
	2 . Phosphoester bond	(This Answer is Correct)		
	3 . Hydrogen Bond			
	4 . Glycosidic Bond			
Q 69 :	If a dsDNA has got 20% Cytosine, the percentage of Adenine is		Marks :	1
	1. 20%			
	2. 40%			
	3 . 30%	(This Answer is Correct)		
	4. 60%			
Q 70 :	In transcription, the coding strand has polarity		Marks :	1
	1. 5'-3'	(This Answer is Correct)		
	2 . 3' - 5'	_		
	3 . Both 5' - 3' and 3' - 5'			
	4 . No polarity			

Q 71 :	Which of the following is not true about satellite DNA?		Marks:	1
	1 . Code for proteins	(This Answer is Correct)		
	2 . Form a large portion of human genome			
	3 . Show high degree of polymorphism			
	4 . Form the basis of DNA fingerprinting			
Q 72 :	The disease which is caused by recessive autosomal genes when	present in homozygous condition	Marks:	1
	1 . Alkaptonuria			
	2 . Albinism			
	3 . Cystic fibrosis			
	4 . All of the above	(This Answer is Correct)		
Q 73 :	Karyotype of 47, XXY is observed in		Marks :	1
	1 . Down's Syndrome			
	2 . Klinefelter's Syndrome	(This Answer is Correct)		
	3 . Turner's Syndrome			
	4 . Addisons disease			
Q 74 :	Chromosome number of a child suffering from Down's syndrome of	can be denoted by	Marks:	1
Q 74 :	Chromosome number of a child suffering from Down's syndrome of 1. (2n - 1)	can be denoted by	Marks :	1
Q 74 :		can be denoted by	Marks :	1
Q 74 :	1. (2n - 1)	ean be denoted by	Marks :	1
Q 74 :	1. (2n-1) 2. (2n-2)	can be denoted by	Marks :	1
Q 74 :	1. (2n-1) 2. (2n-2) 3. (2n+2)		Marks :	1
	1. (2n-1) 2. (2n-2) 3. (2n+2) 4. (2n+1)			
	1. (2n-1) 2. (2n-2) 3. (2n+2) 4. (2n+1) Vasa efferentia is present between			
	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis 			
	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis 	(This Answer is Correct)		
	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis Rete testis and epididymis 	(This Answer is Correct)		
Q 75 :	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis Rete testis and epididymis Vas deferens and urethra 	(This Answer is Correct)	Marks :	1
Q 75 :	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis Rete testis and epididymis Vas deferens and urethra Which is the correct arrangement of layers?	(This Answer is Correct)	Marks :	1
Q 75 :	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis Rete testis and epididymis Vas deferens and urethra Which is the correct arrangement of layers? Ovum< Zona pellucida Perivitelline space < Corona radiata 	(This Answer is Correct)	Marks :	1
Q 75 :	 (2n-1) (2n-2) (2n+2) (2n+1) Vasa efferentia is present between Vas deferens and epididymis Seminiferous tubule and rete testis Rete testis and epididymis Vas deferens and urethra Which is the correct arrangement of layers? Ovum< Zona pellucida< Perivitelline space < Corona radiata Corona radiata < Perivitelline space < Zona Pellucida< Ovum 	(This Answer is Correct)	Marks :	1

Q 77 :	Antrum is present in		Marks:	1
	1 . Primary follicle			
	2 . Secondary follicle			
	3 . Tertiary follicle	(This Answer is Correct)		
	4 . Primary oocyte			
Q 78 :	8: In a multicarpellary pistil, when the pistils are fused together, it is called		Marks :	1
	1 . Apocarpous			
	2. Syncarpous	(This Answer is Correct)		
	3 . Synandrous			
	4 . Gynandrous			
Q 79 :	Which of the following plants is marine?		Marks :	1
	1 . Vallisneria			
	2 . Hydrilla	_		
	3 . Zostera	(This Answer is Correct)		
	4 . Water hyacinth			
Q 80 :	If there are 34 chromosomes in Apple , the number of chromosome respectively is	es in the pollen and the seed coat	Marks :	1
	1. 17,17			
	2 . 17,34	(This Answer is Correct)		
	3. 34,17			
	4 . 68,17			