

Exam Name : Zoology HNGU

Total Questions : 100

Description :

Q.1 In urecotelic animals, urea is removed by		
Marks 1		Question ID: 10091154
No	Options Details	Correct Option
1	Kreb's cycle	
2	Ornithine cycle	✓
3	Cori cycle	
4	None of these	

Q.2 In cockroach, the rectum reabsorbs maximum salts and water hence excretory products are in the form of		
Marks 1		Question ID: 10091155
No	Options Details	Correct Option
1	Urea	
2	Ammonia	
3	Uric acid	✓
4	Urine	

Q.3 Which of the following reactions prevails in red blood cells passing through pulmonary capillaries?		
Marks 1		Question ID: 10091156
No	Options Details	Correct Option
1	$Hb + 4 O_2 \rightleftharpoons Hb(O_2)_4$	✓
2	$Hb(O_2)_4 \rightleftharpoons Hb + 4 O_2$	
3	$Hb + 4 CO_2 \rightleftharpoons Hb(HCO_3)_4$	
4	$H_2CO_3 \rightleftharpoons H^+ + HCO_3^-$	

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<b>Q.4</b> An animal that does not maintain a relatively internal water concentration is termed an:		
<b>Marks</b> 1		<b>Question ID:</b> 10091157
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Isoconformer	
2	Osmoregulator	
3	Hydroconformer	
4	Osmoconformer	✓

<b>Q.5</b> Which of the following blood vessels in the circulatory system of mammal has more oxygenated blood?		
<b>Marks</b> 1		<b>Question ID:</b> 10091158
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Precaval vein	
2	Pulmonary artery	
3	Pulmcutaneous artery	
4	Pulmonary vein	✓

<b>Q.6</b> Which of the following is not a lymphatic organ.		
<b>Marks</b> 1		<b>Question ID:</b> 10091159
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Spleen	
2	Thymus	
3	Peyer's patches	
4	Crypts of lieberkuhn	✓

<b>Q.7</b> The visual purple is concerned with		
<b>Marks</b> 1		<b>Question ID:</b> 10091160
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Darkness	
2	Moderate light	
3	Bright light	
4	Dim light	✓

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<b>Q.8</b> The sensation of an odor that isn't there.		
<b>Marks</b> 1		<b>Question ID:</b> 10091161
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Parosmia	
2	Phantosmia	✓
3	Anosmia	
4	Hyposmia	

<b>Q.9</b> For fertilization of the frog's egg		
<b>Marks</b> 1		<b>Question ID:</b> 10091162
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	sperms of same species are essential	✓
2	sperms do not need penetration	
3	sperms of any animal can fertilize	
4	only presence of male is sufficient	

<b>Q.10</b> Signs of aging include		
<b>Marks</b> 1		<b>Question ID:</b> 10091163
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Loss of hair pigment	
2	Dryness and wrinkling of skin	
3	Forgetfulness	
4	All of these	✓

<b>Q.11</b> Phenomena that some cells evoke a specific developmental response in other cells is.		
<b>Marks</b> 1		<b>Question ID:</b> 10091164
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Embryonic influence	
2	Embryonic stimulation	
3	Embryonic dominance	
4	Embryonic induction	✓

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Q.12                    This is also known as meroblastic cleavage		
Marks                    1		Question ID: 10091165
No	Options Details	Correct Option
1	Partial	✓
2	Unequal holoblastic	
3	Equal holoblastic	
4	Superficial	

Q.13                    Which is the most correct statement about male Gamatogenesis :		
Marks                    1		Question ID: 10091166
No	Options Details	Correct Option
1	the entire proces is driven by the secretions of the sertoli cells	
2	It does not occur before puberty	✓
3	sperm does does not reach full maturity until fertilization.	
4	takes a males spermatozoa 38 hours from commencing meiosis until it reaches a mature spermtzoa	

Q.14                    Which of the following statements about the zona pellucida is incorrect:		
Marks                    1		Question ID: 10091167
No	Options Details	Correct Option
1	It is an insoluble extracellular matrix	
2	It expresses several glycoproteins	
3	It surrounds the developing oocyte	
4	It prevents sperm binding	✓

<b>Q.15</b> Which of these structures make up part of the maternal surface of the placenta?		
<b>Marks</b> 1		<b>Question ID:</b> 10091168
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Amniotic membrane	
2	Cotyledons	✓
3	Chorionic plate.	
4	Syncytiotrophoblasts	

<b>Q.16</b> An organism containing photophores is likely to inhabit which of the following zones?		
<b>Marks</b> 1		<b>Question ID:</b> 10091169
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Bathypelagic zone	
2	sopelagic zone	✓
3	Epipelagic zone	
4	Abyssopelagic zone	

<b>Q.17</b> What is the term for members of multiple species living in an area & interacting?		
<b>Marks</b> 1		<b>Question ID:</b> 10091170
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Ecosystem	
2	Ecotone	
3	Biome	
4	Community	✓

<b>Q.18</b> Which of the following is TRUE for the stabilized ecosystem?		
<b>Marks</b> 1		<b>Question ID:</b> 10091171
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	$P-R=1$	
2	$P/R$	
3	$P/R =1$	✓
4	$P/R > 1$	

Q.19

The formula for exponential population growth is

Marks

1

Question ID:  
10091172

No	Options Details	Correct Option
1	$dN/dt=rN$	✓
2	$Dt/dN= rN$	
3	$dN/rN= dt$	
4	$rN/dN= dt$	

Q.20

The concept that “ population tends to increase geometrically while food supply increases arithmetically”

Marks

1

Question ID:  
10091173

No	Options Details	Correct Option
1	Adam Smith	
2	Charles Darwin	
3	Thomas Malthus	✓
4	Stuart Mill	

Q.21

Fish that live their adult life in the sea but migrate up to fresh water rivers to spawn are

Marks

1

Question ID:  
10091174

No	Options Details	Correct Option
1	Migrators	
2	Catadromous	
3	Anadromous	✓
4	Aquaglidors	

Q.22

Where are histamine-secreting cells found?

Marks

1

Question ID:  
10091175

No	Options Details	Correct Option
1	Connective tissue	✓
2	Epithelial tissue	
3	Muscle tissue	
4	Nervous tissue	

Q.23 Which of the following statements is true regarding the “law of segregation”?		
Marks 1		Question ID: 10091176
No	Options Details	Correct Option
1	Law of segregation is the law of purity of genes	
2	Alleles separate from each other during gametogenesis	
3	Segregation of factors is due to the segregation of chromosomes during meiosis	
4	All of the these	✓

Q.24 Which force can stabilize a DNA double-helix?		
Marks 1		Question ID: 10091177
No	Options Details	Correct Option
1	Hydrophobic bases are found in the interior of the helix where each base- pair is stabilized by the same number of hydrogen bonds.	
2	Hydrophilic sugar-phosphate groups are found on the exterior of the helix where they can interact with water.	✓
3	Non-covalent N-glycosidic bonds can form between nitrogenous bases in opposite strands in the helix.	
4	Covalent base-stacking interactions can occur between adjacent bases within the same strand in the helix	

Q.25 The acrosome of sperm is formed from the		
Marks 1		Question ID: 10091178
No	Options Details	Correct Option
1	Mitochondria	
2	centrosome	
3	Lysosome	
4	Golgibodies	✓

<b>Q.26</b> In paracrine signaling, the signaling molecules affects only		
<b>Marks</b> 1		<b>Question ID:</b> 10091179
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	target cells close to the cell from which it was secreted	✓
2	target cells distant from its site of synthesis in cells of an endocrine organ	
3	both (a) and (b)	
4	none of the these	

<b>Q.27</b> Out of the following, which law is also known as the law of purity of gametes?		
<b>Marks</b> 1		<b>Question ID:</b> 10091180
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Law of co-dominance	
2	Law of independent assortment	
3	Law of segregation	✓
4	Law of dominance	

<b>Q.28</b> At which site on the DNA of a gene does RNA polymerase release its newly made RNA?		
<b>Marks</b> 1		<b>Question ID:</b> 10091181
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Promoter	
2	Template	
3	Stop codon	
4	Terminator	✓

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<b>Q.29</b> Genes which are active all the time synthesizing substances needed by the cell are called		
<b>Marks</b> 1		<b>Question ID:</b> 10091182
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Cellular luxury genes	
2	metabolic genes	
3	house keeping genes	✓
4	control genes	

<b>Q.30</b> _____use book lungs to breathe		
<b>Marks</b> 1		<b>Question ID:</b> 10091183
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Earthworm	
2	jellyfish	
3	Scorpion	✓
4	Bivalve	

<b>Q.31</b> Acetylcholine is a neurotransmitter that provides for communication between muscles and nerves. When there is a problem with the interaction between acetylcholine and the acetylcholine receptor sites on the muscles, which condition(s) can occur?		
<b>Marks</b> 1		<b>Question ID:</b> 10091184
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Myasthenia gravis	✓
2	Multiple sclerosis	
3	Botulism	
4	A and B	

**Q.32** Oedema is caused by

<b>Marks</b>	<b>1</b>
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**Question ID:**  
10091185

No	Options Details	Correct Option
1	Increased in capillary pressure	
2	Increased permeability of the capillary walls	
3	Decreased rate of return of lymph	✓
4	None of these	

**Q.33** How do hormones from the thyroid and parathyroid regulate the calcium concentration of the blood?

<b>Marks</b>	<b>1</b>
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**Question ID:**  
10091186

No	Options Details	Correct Option
1	Calcitonin lowers blood calcium; parathyroid hormone raises blood calcium.	✓
2	Thyroxine and triiodothyronine together regulate calcium levels, as needs dictate	
3	Parathyroid hormone lowers blood calcium; calcitonin raises blood calcium.	
4	Both parathroid hormone and the three thyroid hormones function to regulate blood calcium levels.	

**Q.34** Which of the following would not be included in a description of an organism's niche?

Marks	1
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**Question ID:**  
10091187

No	Options Details	Correct Option
1	its trophic level	
2	the humidity and temperature it prefers	
3	when it reproduces	
4	its number of chromosomes.	✓

<b>Q.35</b> One of the following is the Study of fossils		
<b>Marks</b> 1		<b>Question ID:</b> 10091188
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Herpetology	
2	Palaeontology	✓
3	Saurology	
4	Both A and B	

<b>Q.36</b> Which one of the following ecosystems is known as the ‘Land of Big Games’?		
<b>Marks</b> 1		<b>Question ID:</b> 10091189
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Prairie	
2	Taiga	
3	Savannah	✓
4	Non of these	

<b>Q.37</b> The genetic relatedness between organisms can be identified by studying the band patterns when different PCR products are analysed electrophoreically. This method is called as _____		
<b>Marks</b> 1		<b>Question ID:</b> 10091190
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	restriction fragment length polymorphism (RFLP)	
2	amplified fragment length polymorphism (AFLP)	
3	random amplification of polymorphic DNA (RAPD)	✓
4	polymorphism	

Q.38

PCR is useful in population genetics because at times it can be used to study genetics of bacteria that can't be cultured axenically.

Marks

1

Question ID:

10091191

No	Options Details	Correct Option
1	TRUE	✓
2	May be true or false	
3	FALSE	
4	none of these	

Q.39

Which of the following can be used for reducing the size of gene inserts containing introns?

Marks

1

Question ID:

10091192

No	Options Details	Correct Option
1	Vaccinia virus	
2	Baculo virus	
3	Retro virus	✓
4	none of these	

Q.40

The activity of crop gland is controlled by

Marks

1

Question ID:

10091193

No	Options Details	Correct Option
1	Insulin	
2	Prolactin	
3	Glucagon	✓
4	Renin	

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<b>Q.41</b> Ontogeny is		
<b>Marks</b> 1		<div>Question ID: 10091194</div>
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Development of the ear	
2	The study of cancer	
3	The evolutionary history of a species or a group	
4	The development of an individual organism	✓

<b>Q.42</b> Fusion of unrelated gametes is called _____		
<b>Marks</b> 1		<div>Question ID: 10091195</div>
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Dichogamy	
2	Allogamy	✓
3	Fertilization	
4	Autogamy	

<b>Q.43</b> Identify the mammals, in which both male and female have functional mammary gland and feed the young.		
<b>Marks</b> 1		<div>Question ID: 10091196</div>
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Rabbit	
2	Macropus	
3	Dolphins	
4	Tachyglossus	✓

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<b>Q.44</b> First hormone that is synthesized by Recombinant DNA technology, known as:		
<b>Marks</b> 1		<b>Question ID:</b> 10091197
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Progesterone	
2	Steroids	
3	Estrogen	
4	Insulin	✓

<b>Q.45</b> A mouse which is genetically modified by scientists by replacing its existing gene with artificial piece of DNA, called as		
<b>Marks</b> 1		<b>Question ID:</b> 10091198
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Modified mouse	
2	Altered mouse	
3	Knockout mouse	✓
4	Mutated gene	

<b>Q.46</b> The post synaptic membrane has		
<b>Marks</b> 1		<b>Question ID:</b> 10091199
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	No gated channels	
2	Voltage gated channels	
3	Ligand gated channels	✓
4	All of above	

<b>Q.47</b> Corpora bigemina in frog are concerned with		
<b>Marks</b> 1		<b>Question ID:</b> 10091200
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Equilibrium	
2	Vision only	
3	Hearing only	
4	Vision and hearing	✓

Q.48 Pallium is		
Marks 1		Question ID: 10091201
No	Options Details	Correct Option
1	Lateral wall of diencephalon	
2	Floor of paracoel	
3	Lateral wall of cerebrum	
4	Roof of paracoel	✓

Q.49 Solid olfactory lobe are present in		
Marks 1		Question ID: 10091202
No	Options Details	Correct Option
1	Pegion	✓
2	Labeo	
3	Scoliodon	
4	Calotes	

Q.50 The openings to the _____ system (respiratory system) in insects are termed		
Marks 1		Question ID: 10091203
No	Options Details	Correct Option
1	Tracheal, spiracles	✓
2	Tracheal, bronchi	
3	Spiracle, tracheal	
4	Tracheal, stomata	

Q.51 What is the name of the conceptual framework in which the research is carried out?		
Marks 1		Question ID: 10091204
No	Options Details	Correct Option
1	Research design	✓
2	Research paradigm	
3	Synopsis of Research	
4	Research hypothesis	

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Q.52Which scientific method focuses on testing hypothesis developed from theories?		
Marks1		Question ID: 10091205
No	Options Details	Correct Option
1	Deductive method	✓
2	Inductive method	
3	Hypothesis method	
4	Pattern method	

Q.53The classification of studies into exploratory, descriptive, analytical, or predictive research is based on		
Marks1		Question ID: 10091206
No	Options Details	Correct Option
1	Logic of the research	
2	Outcome of the research	
3	Process of the research	
4	Purpose of the research	✓

Q.54The government of India conducts census after every 10 years. The method of research used in this process is		
Marks1		Question ID: 10091207
No	Options Details	Correct Option
1	Case Study	
2	Developmental	
3	Survey	✓
4	Experimental	

Q.55Fieldwork-based research is classified as		
Marks1		Question ID: 10091208
No	Options Details	Correct Option
1	Empirical	✓
2	Historical	
3	Experimental	
4	Biographical	

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Q.56                    The two main approaches of a research are		
Marks                    1		Question ID: 10091209
No	Options Details	Correct Option
1	Data collection and data analysis	
2	Surveys and questionnaires	
3	Sampling and data collection	
4	Qualitative and quantitative	✓

Q.57                    Research is		
Marks                    1		Question ID: 10091210
No	Options Details	Correct Option
1	A purposeful, systematic activity	✓
2	Conducted for purely academic purposes	
3	Conducted to answer questions about practical issues.	
4	A random and unplanned process of discovery.	

Q.58                    Which one of the following is not a quality of a researcher ?		
Marks                    1		Question ID: 10091211
No	Options Details	Correct Option
1	Unison with that of which he is in search	✓
2	He must be of alert mind	
3	Keenness in enquiry	
4	His assertion to outstrip the evidence	

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Q.59

The result of setting out a reasoned argument in steps is known as

Marks

1

Question ID:

10091212

No	Options Details	Correct Option
1	A comparison	
2	A debate	✓
3	An evaluation	
4	An analysis	

Q.60

Which of the following is not a characteristic of a researcher?

Marks

1

Question ID:

10091213

No	Options Details	Correct Option
1	Industrious and persistent	
2	Specialist rather than a generalist	
3	Objective	
4	Not versatile in his interest and even in his native abilities	✓

Q.61		In the context of survey research, the following steps are taken in a certain order (I) Sampling (II) Inference (III) Data analysis (IV) Data collection	<div>Question ID: 10091214</div>
Marks	1		
No	Options Details		Correct Option
1	(II), (III), (I), (IV)		
2	(I), (IV), (III), (II)		✓
3	(III), (II), (IV), (I)		
4	(IV), (I), (II), (III)		

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Q.62Which of the following is not the requirement of a hypothesis?		
Marks1		Question ID: 10091215
No	Options Details	Correct Option
1	Be based on facts	
2	Be conceivable	
3	Contradict the knowledge of nature	✓
4	Allow consequences to be deduced	

Q.63The first question that a researcher interested in the application of Statistical techniques to his problem have to ask is		
Marks1		Question ID: 10091216
No	Options Details	Correct Option
1	Whether the data could be quantified	✓
2	Whether appropriate statistical techniques are available	
3	Whether analysis of data would be possible	
4	Whether worthwhile inferences could be drawn	

Q.64The correlation between intelligent test scores and grades is		
Marks1		Question ID: 10091217
No	Options Details	Correct Option
1	Positives	✓
2	Negative	
3	Perfect	
4	No Correlation	

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Q.65Hypothesis cannot be stated in			Question ID: 10091218
Marks	1		
No	Options Details		Correct Option
1	Declarative terms		
2	Null hypothesis and question form terms		
3	General terms		✓
4	Directional terms		

Q.66Research hypothesis are			Question ID: 10091219
Marks	1		
No	Options Details		Correct Option
1	A review of current research		
2	Statements of predicted relationships between variables		
3	Stated such that they can be confirmed or refuted		
4	Both (b) and (c)		✓

Q.67What is the purpose of the conclusion in a research report?			Question ID: 10091220
Marks	1		
No	Options Details		Correct Option
1	It explains how concepts were operationally defined and measured.		
2	It summarizes the key findings in relation to the research questions.		✓
3	It contains a useful review of the relevant literature.		
4	It outlines the methodological procedures that were employed.		

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Q.68Which of the following is an example of a directional hypothesis?		
Marks1		Question ID: 10091221
No	Options Details	Correct Option
1	There will be a difference between the students' reading levels.	
2	There will be a difference between lecture and Group instruction.	
3	Group instruction is more effective than lecture in the Elementary classroom.	✓
4	There will be an increase in learning.	

Q.69To test null hypothesis, a researcher uses		
Marks1		Question ID: 10091222
No	Options Details	Correct Option
1	t-test	
2	ANOVA	
3	Chi-square test	✓
4	Factorial Analysis	

Q.70Extraneous variables are essentially		
Marks1		Question ID: 10091223
No	Options Details	Correct Option
1	Independent variables	✓
2	Dependent variables	
3	Independent or dependent	
4	Neither independent nor dependent	

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<b>Q.71</b> The characteristics of scientific method of research is		
<b>Marks</b> 1		<b>Question ID:</b> 10091224
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Empiricism	
2	Objectivity	
3	Systematic	
4	All of the above	✓

<b>Q.72</b> Bibliography given in a research report:		
<b>Marks</b> 1		<b>Question ID:</b> 10091225
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Has no relevance to research	
2	Shows vast knowledge of the researcher	
3	Helps those interested in further research	✓
4	All the above	

<b>Q.73</b> The Report submitted when there is a time lag between data collection and presentation of result is called _____		
<b>Marks</b> 1		<b>Question ID:</b> 10091226
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Thesis	
2	Interim report	✓
3	Summary report	
4	Article	

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Q.74            The correlation coefficient is used to determine _____		
Marks            1		Question ID: 10091227
No	Options Details	Correct Option
1	A specific value of the y-variable given a specific value of the x-variable	
2	A specific value of the x-variable given a specific value of the y-variable	
3	The strength of the relationship between the x and y variables	✓
4	None of these alternatives is correct.	

Q.75            The value of degree of freedom (d.f.) in two sample t-test is		
Marks            1		Question ID: 10091228
No	Options Details	Correct Option
1	df = (n,+n <sub>2</sub> )	
2	df = (n,- n <sub>2</sub> )	
3	df = (n,+n <sub>2</sub> -2)	✓
4	df = (n,+n <sub>2</sub> +1)	

Q.76            A satisfactory statistical quantitative method should not possess one of the following qualities:		
Marks            1		Question ID: 10091229
No	Options Details	Correct Option
1	Flexibility	✓
2	Measurability	
3	Comparability	
4	Appropriateness	

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<b>Q.77</b> Summarizing raw data and displaying them on compact statistical tables for analysis is		
<b>Marks</b> 1		<b>Question ID:</b> 10091230
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Tabulation	✓
2	Coding	
3	Transcription	
4	Editing	

<b>Q.78</b> The format of thesis writing is the same as in:		
<b>Marks</b> 1		<b>Question ID:</b> 10091231
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	Presenting a workshop	
2	A research dissertation	✓
3	Preparation of Article	
4	Writing of seminar representation	

<b>Q.79</b> The degrees of freedom for the chi square test statistics when testing for independence in a contingency table with 4 rows and 4 columns would be		
<b>Marks</b> 1		<b>Question ID:</b> 10091232
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	9	✓
2	6	
3	4	
4	5	

<b>Q.80</b> Calculate chi square value: Event-x Expected-60 Observed-52 Event-y Expected-40 Observed-48		
<b>Marks</b> 1		<b>Question ID:</b> 10091233
<b>No</b>	<b>Options Details</b>	<b>Correct Option</b>
1	2.77	
2	2.67	✓
3	3.33	
4	3.67	

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Q.81

Test to be applied when the number of observations are less than 30 and variance is not known is called:

Marks

1

Question ID:  
10091234

No	Options Details	Correct Option
1	Chi square test	
2	t test	✓
3	f test	
4	z test	

Q.82

To determine whether the test statistic of ANOVA is statistically significant, it can be compared to a critical value. What two pieces of information are needed to determine the critical value?

Marks

1

Question ID:  
10091235

No	Options Details	Correct Option
1	sample size, number of groups	✓
2	expected frequency, obtained frequency	
3	mean, sample standard deviation	
4	MSTR, MSE	

Q.83

In ANOVA with 4 groups and a total sample size of 44, the computed F statistic is 2.33 In this case, the p-value is:

Marks

1

Question ID:  
10091236

No	Options Details	Correct Option
1	exactly 0.05	
2	less than 0.05	
3	greater than 0.05	✓
4	cannot tell - it depends on what the SSE is	

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Q.84

What would happen if instead of using an ANOVA to compare 10 groups, you performed multiple t tests?

Marks

1

Question ID:  
10091237

No	Options Details	Correct Option
1	Nothing, there is no difference between using an ANOVA and using a t-test.	
2	Nothing serious, except that making multiple comparisons with a t-test requires more computation than doing a single ANOVA.	
3	Sir Ronald Fischer would be turning over in his grave; he put all that work into developing ANOVA, and you use multiple t-tests	
4	Making multiple comparisons with a t-test increases the probability of making a Type I error.	✓

Q.85

Analysis of variance is a statistical method of comparing the \_\_\_\_\_ of several populations.

Marks

1

Question ID:  
10091238

No	Options Details	Correct Option
1	standard deviations	
2	variances	
3	Means	✓
4	proportions	

Q.86

“Uses a limited range of words which sometimes affects the clarity of expression” can be a rubric for assessing

Marks

1

Question ID:  
10091239

No	Options Details	Correct Option
1	Grammar	
2	Vocabulary	✓
3	Fluency	
4	Pronunciation	

Q.87

Prerna read a story to her students, filled with sound effects and interesting voices. Afterwards, she asks them questions about the specific sounds or unique ways characters spoke. What skill is Prerna primarily assessing in the scenario?

Marks

1

Question ID:

10091240

No	Options Details	Correct Option
1	Reading	
2	Listening	✓
3	Speaking	
4	Writing	

Q.88

A proficiency test always assesses

Marks

1

Question ID:

10091241

No	Options Details	Correct Option
1	The level of language that learners have reached	✓
2	The language that students have been taught	
3	The multisensory learning experiences	
4	The language of daily conversation	

Q.89

Which of the following sentences is grammatically correct?

Marks

1

Question ID:

10091242

No	Options Details	Correct Option
1	Me and my friend went to the park.	
2	My friend and I went to the park.	✓
3	I and my friend went to the park.	
4	My friend and me went to the park.	

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Q.90		Despite the _____, the team managed to win the championship.	
Marks		1	Question ID: 10091243
No	Options Details		Correct Option
1	Adversity		✓
2	Celebration		
3	Victory		
4	Strategy		

Q.91		Find the missing number in the following series? 1, 3, 4, 8, 15, 27, ?	
Marks		1	Question ID: 10091244
No	Options Details		Correct Option
1	45		
2	50		✓
3	55		
4	60		

Q.92		If ‘CERTAIN’ is coded as ‘XVIGZRM’ in a particular code language, then how ‘MUNDANE’ be coded in that language?	
Marks		1	Question ID: 10091245
No	Options Details		Correct Option
1	NFMWZMX		
2	VMZWMFN		
3	NFMWZMV		✓
4	MIMXZMV		

Q.93		Find the odd pair of words.	
Marks		1	Question ID: 10091246
No	Options Details		Correct Option
1	Room : House		✓
2	Atom : Electron		
3	Car : Engine		
4	Milk : Water		

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Q.94

A man’s monthly income is Rs. 1,400. What should be his average monthly expenditure so that he is able to save 3,600 in a year?

Marks

1

Question ID:

10091247

No	Options Details	Correct Option
1	1000	
2	1100	✓
3	1150	
4	1200	

Q.95

In a group of 40 people, 25 speak English and 20 speak both Hindi and English. All the people speak at least one of the two languages. How many people speak Hindi?

Marks

1

Question ID:

10091248

No	Options Details	Correct Option
1	15	✓
2	20	
3	25	
4	30	

Q.96

A computer consists of

Marks

1

Question ID:

10091249

No	Options Details	Correct Option
1	A central processing unit	
2	A memory	
3	Input and output unit	
4	All of the above	✓

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**Q.97** A byte consists of

<b>Marks</b>	<b>1</b>
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**Question ID:**  
10091250

No	Options Details	Correct Option
1	One bit	
2	Four bits	
3	Eight bits	✓
4	Sixteen bits	

**Q.98** ALU of a computer normally contains a number of high-speed storage elements called

<b>Marks</b>	<b>1</b>
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**Question ID:**  
10091251

No	Options Details	Correct Option
1	Semiconductor memory	
2	Registers	✓
3	Hard disks	
4	Magnetic disk	

**Q.99** RAM is used as short memory as it is

<b>Marks</b>	<b>1</b>
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**Question ID:**  
10091252

No	Options Details	Correct Option
1	Expensive	
2	Small capacity	
3	Programmable	
4	Volatile	✓

**Q.100** Which of the following will be required to produce high quality graphics?

Marks	1
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**Question ID:**  
10091253

No	Options Details	Correct Option
1	RGB monitor	
2	Plotter	✓
3	Ink-jet printer	
4	Laser printer	