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**REVISED ANSWER KEY FOR ICMR-JRF-2022 EXAM. HELD ON 23.09.2022**

Dated:- 10.10.2022

In reference to the answer key released on 27.09.2022 for ICMR-JRF 2022 Exam. held on 23.09.2022, eleven (11) doubts/objections were received for the following questions. The experts of the Committee have approved the following modifications/changes in the Answer Key:-

Sr. No.	Description	Q.No	Questions	Correct Option given in Original Answer key	Decision of experts
1.	Section-A Aptitude	06	An electric fan is switched on in a closed Room. The air in the room is: A) Heated B) Cooled C) Maintain its temperature D) Heated or cooled depending On the atmospheric pressure	A	No Change
2.	Section-A Aptitude	11	Inulin occurs in the root of: A) Dahlia B) Mango C) Wheat D) Sugarcane	A	No Change
3.	Section-A Aptitude	15	A well stoppered thermos flask contains some ice cubes. This is an example of: A) Closed System B) Open System C) Isolated system D) Non thermodynamic system	C	No Change
4.	Section-A Aptitude	19	A piece of ice floats in a vessel with water above which a layer of lighter oil is poured. How will the level of the interface change after the whole of ice melts? what will be the change in the total level of liquid in the vessel?  A) Interface falls, total level also falls B) Interface rises, total level falls C) Interface falls, total level rises D) Interface rises, total level also rises	B	No Change
5.	Section-A Aptitude	39	While evaluating an investigational new drug, a 'Phase I study' is conducted on: A) Laboratory Animals B) Few healthy Volunteers C) A single member from the research team D) Small group of patients	B	No Change

Sr. No.	Description	Q.No	Questions	Correct Option given in Original Answer key	Decision of experts
6.	Section-B Life Sciences	75	On a ribosome, the mRNA is read from .....and the polypeptide chain is synthesized from: A) 3' to 5", C to N terminus B) 3' to 5", N to C terminus C) 5' to 3", N to C terminus D) 5' to 3", C to N terminus	C	No Change
7.	Section-B Life Sciences	80	Which of the following repair pathways can faithfully repair a double-strand DNA break? A) NHEJ B) Homologous recombination C) Base excision repair D) Nucleotide excision repair	B	No Change
8.	Section-B Life Sciences	90	The joints between the carpal bones are: A) Gliding joints B) Hinge joints C) Saddle joints D) Pivot joints	A	No Change
9.	Section-B Life Sciences	98	The diagram which shows the arrangement of metaphasic chromosomes according to their position of centromere is called: A) Histogram B) Karyogram C) Dendrogram D) Ideogram	D	No Change
10.	Section-B Life Sciences	100	During DNA replication the synthesis of the leading strand of DNA results in fragments known as: A) Satellite segments B) Kornberg segment C) Double-helix segment D) Okazaki Fragments	D	Wrong question 01 marks will be given to all whosoever has attempted this question.
11.	Section-B Life Sciences	145	Which of the following reproduces sexually only once in its lifetime? A) Banana Plant B) Mango C) Tomato D) Eucalyptus	C	Option- A Banana Plant

*Accordingly, the final result will be prepared as per revised answer key. No correspondence shall be entertained after final declaration of result.*

Sd-  
**Co-ordinator**  
**JRF-2022 Exam**