

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination LECTURER BIOLOGY (School Edu.) 2015

Name of Exper

(with Post & Con

Question No. (Series A)	Ans	(Use proper arguments or references in support of your answers)
		The answer key for Biology subject (code 08) for School Lecturer Competitive Exam 2015 was examined by the subject experts and it was found that the answers provided by the commission for the following questions except deleted questions are correct:
A		<p>2, 4, 5, 7, 8, 10, 11, 14, 16, 17, 18, 20 21, 25, 28, 30, 33, 45, 46, 47, 51, 56 61, 62, 64, 65, 68, 71, 73, 76, 78, 79 85, 88, 89, 96, 97, 99, 101, 103, 104 106, 110, 112, 113, 116, 117, 119</p> <p>Report on deleted questions is enclosed as annexure - 4</p>
Q-51	1	This question has answer different from that provided in the original answer-key. Given answer is - 3. Correct is - 1. See enclosed sheet for details (Appendix - 1).

Additional Remarks :-

Rajasthan Public Service Commission, Ajmer

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Name of Examination LECTURER BIOLOGY (School Edu.) 2015

Name of Expert

(with Post & Contact)

Question No. (Series A)	Answer	
Q-51	1	<p>The original key provides answer as option - 3 correct but the existing books including G. Mendel given below indicates that used 7 varieties not 14. Therefore the correct answer should be made as 1 not 3.</p> <p>Fundamental of Botany - Bilgrami Srivastava Srinani</p>
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Vikas
Page-7

Additional Remarks :-

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination LECTURER BIOLOGY (School Edu.) 2015

Name

(with)

Question No. (Series A)	Answer	<small>mainly by the candidates</small> (Use proper arguments or references in support of your answers)
Q. 21	Delete	This question belongs to Family - Labiateae which is not mentioned in the Syllabus. Therefore, this is <u>OUT OF COURSE</u> (objection is correct) May be deleted.
Q. 46	Delete	This question does not fall in any of the types mentioned in Part II Para V It is <u>OUT OF COURSE</u> May be deleted.
Q. 78	3	This question is very much a part of syllabus prescribed Part II Para-2 Species. <u>IN COURSE</u>

Additional Remarks :

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Name of Examination LECTURER BIOLOGY (School Edu.) 2015

Name of Expert

(with Post & Cont)

Question No. (Series A)	Answ	(Use proper arguments or references in support of your answer.)
Q-96	2	This question is covered under Part II Para-5 Rabbit <u>IN COURSE</u>
Q-112	H	It is covered under Part III Para 4 Biosphere Reserves/ Environment Pollution Part II Para-4 <u>IN COURSE</u>
Q-119	2	It is covered under Part III Para-3. <u>IN COURSE</u>

Additional Remarks

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Question No. (Series A)	Answer	(Use proper arguments or references in support of your answers)
Q-41	Delete	Translation is correct (Already deleted by Commission)
Q-73	Delete	Hindi Translation में DNA स्टोरेज जानना (Missing) है। अज्ञात सही नहीं है। May be deleted. 2 nd Final key - P.61, 63
Q-119	2	Translation is correct

Additional Remarks :-

Report on Already Deleted Questions.

Annexure - 4

38

Rajasthan Public Service Commission, Ajmer

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Name of Examination LECTURER BIOLOGY (School Edu) 2015

Name of Expert

(with Post & Cont)

Question No. (Series A)	Answer	(Use proper arguments or references in support of your answers)
Q-29	3	Not to be deleted.
Q-34	delete	None of the answers is correct therefore may be deleted.
Q-37	delete	Answers are confusing therefore may be deleted.
Q-41	delete	Answers are confusing therefore may be deleted.
Q-42	delete	May be deleted for ambiguous answers and clear
Q-100	3	All options are not and answer No. 3 is correct. Not to be deleted.
Q-102	(2)	Not To be deleted. Question is not correct. Emb
delete final key p. 50		

Additional Remarks :-

Signature

Date

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination School Lectt. Biology 2015 (Education) 2015

Name of Expert

(with Post & Contact

Question No. (Series A)	Answer	References (Use proper arguments or references in support of your answers)
123	1	सही उत्तर ① है। सम्बद्ध प्रतिक्रिया सिद्धांत के प्रतिपादक आई.वी.पेंवलाव है। संदर्भ ① आरंभिक मनोविज्ञान, कक्षा XI, अरुण कुमार सिंह, डॉ. आशीष कुमार सिंह (2009, मोतीलाल बनारसीदास) Pg. No. 196-197 ② शिक्षा मनोविज्ञान, एस.एस. भापुर (2007-08) अप्पल पब्लिशेशन, Pg. No. 246
124	4	सही उत्तर ④ है। गेने के अनुसार प्रभावी आणविक के आयाम संकेत, उत्प्रेजन - अनुक्रिया तथा प्रेरकता आदि सभी हैं। संदर्भ - "शिक्षा मनोविज्ञान", अरुण कुमार सिंह (2013) भारती भवन Pg. No. - 297-299
125	1	सही उत्तर ① है। संदर्भ ① "शिक्षा मनोविज्ञान", एस.के. मंगल (2015), पीएच.आई लॉनिंग प्रा. लि. Pg. No. 608 ② "शिक्षा मनोविज्ञान", अरुण कुमार सिंह (2013) भारती भवन, Pg. No. 713

Additional Remarks :-

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

School Lecturer Biology 2015 (Education) 2015

46

Name of Examination

Name of Exp

(with Post &

Question No. (Series A)

Answer

Remarks/References (Use proper arguments or references in support of your answers)

129

1

सही उत्तर ① है।

Overhead Projector स्वयं अनुदेशन सामग्री नहीं है बल्कि अनुदेशन को प्रदर्शित करने का साधन (medium) है

संदर्भ - "New Directions in Science Teaching" (1989) Kohli Publishers, Pg. No. - 206

132

4

सही उत्तर ④ है।

व्यवहार में परिवर्तन अभ्यास या अनुभूति से हो तथा निरस्य कारण अभिवृत्ति, संवर्धन तथा बाह्य विकास हो वह सीखने की प्रक्रिया में सीमित होना ही परिपक्वता से हुए परिवर्तन को चिह्नित नहीं कहा जाता।

संदर्भ - "शिक्षा मनोविज्ञान", अरुण कुमार सिंह (2013) भारती भवन, Pg. No - 293-296

133

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सही उत्तर ① है।

संकेत आवाज के कृतगत तरंग उद्दीपन के साथ कोई संकेतित उद्दीपन बार-बार देना पर विषयी उत्सव प्रति अनुकूलित हो जाता है।

संदर्भ ① "शिक्षा मनोविज्ञान", अरुण कुमार सिंह (2013) भारती भवन Pg. No - 298-299

② "उच्च शिक्षा मनोविज्ञान", अरुण कुमार सिंह, पीयरसन (2011) Pg. No - 167-168

Additional Remarks :-

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination

School Lect

Bio. 2015 (Education) 2015

Name of Expert

(with Post & Contact

Question No. (Series A)	Answer	Remarks/References (Use proper arguments or references in support of your answers)
136	2	<p>सही उत्तर 2 है।</p> <p>"The term storm & stress in adolescence was given by G. Stanley Hall (1904)"</p> <p>Reference - Net Resource www.gogal.co.in Study.com > academy > g Stanley hall</p>
139	3	<p>सही उत्तर 3 है।</p> <p>Virus is the part of software because computer virus is a type of malicious software programme which when executed infect the computer programme by modifying them.</p> <p>Reference 1. www.google weblight.com/ wikipedia.org 2. अणुसूत्र विज्ञान, अणुसूत्र, अणुसूत्र (2004) Pg. 207-3 Pg. 57</p>
141	गिराह	<p>कोई भी विकल्प सही नहीं है (आयोजक द्वारा विकल्प संख्या 1 को सही बताया गया परंतु कंप्यूटर इलेक्ट्रिक मशीन न होकर इलेक्ट्रॉनिक मशीन है। अतः यह विकल्प सही विकल्प संख्या 3 में हिंदी विकल्पों में विकल्पों में अलग-अलग बनाया गया है अतः यह संख्या 141 को विकल्पों में अलग-अलग विकल्पों में विकल्पों में</p>

Additional Remarks :-

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Rajasthan Public Service Commission, Ajmer

48

Expert Validation of Answer Key

Name of Examination : School Lect. Bjo, 2015 (Education)

Name of Expert
(with Post & Conta

Question No. (Series A)	Answer	Remarks/References (Use proper arguments or references in support of your answers)
143	4	<p>सही उत्तर (4) है। पाठ्यक्रम के बिंदु संख्या 3 Teaching-learning के कृतज्ञ संज्ञात्मक (Cognitive) अधिगम की उपदेयता बिना शैक्षिक उद्देश्यों की पूर्ति के नहीं हो सकती। संज्ञात्मक उद्देश्यों के की.स. अधिगम के वर्गीकरण में शान्तात्मक पक्ष के अंतिमपद में मूल्यांकन का भाग है। संदर्भ - "शैक्षिक तकनीकी एवं लक्ष्य-उपकरण" (2005) डा. धीरज कालिया व डा. अर्चना पुरोहित, श्यामप्रकाशन, Pg. - 153-159</p>
144	3	<p>सही उत्तर (3) है। P. बेंडुरा के अनुसार (1986) सामाजिक अधिगम किसी अन्य के व्यवहार का अनुकरण या मॉडलिंग से होता है जिसमें व्यक्ति किसी अन्य के व्यवहार को देखकर एवं समझ कर प्रोत्साहित होता है तथा सम्पर्क के माध्यम से सामाजिक अधिगम करता है। संदर्भ - "आरंभिक मनोविज्ञान" अक्षा 11 अशोक कुमार सिंह व अशोक कुमार सिंह (2009) Pg. 207, मोतीलाल बनारसीदास</p>
149	4	<p>सही उत्तर (4) है। शिक्षणसिद्धांत में शिक्षक व्यवहार, छात्र व्यवहार व शिक्षण का प्रभाव सभी सम्मिलित है। संदर्भ - "शैक्षिक तकनीकी" संतोष मिश्र, राजस्थान हिन्दी ग्रंथ अकादमी (2000) Pg. No - 29, 31, 82-88</p>

Additional Remarks :-

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Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination School Lecturer - Biology 2015 (Education)

Name of Exp

(with Post & C)

Question No. (Series A)	Answer	Remarks/References (Use proper arguments or references in support of your answers)
150	4	<p>सही उत्तर (4) है। पाठ्यक्रम के बिंदु पर मैं समायोजन समस्या प्रकरण है जिसमें समस्यात्मक बालक का कथपकनी किया जाता है और - पारी मुश्किल, मुठ बालक व माता-पिता का अलग नुमानक कालि के मरफ बालक का समायोजन उपरि नहीं होना है जिससे सामान्य बालक की समस्या बालक व नपाता है। संदर्भ: ① शिक्षामनोविज्ञान, अरुण कुमार सिंह (2013) भारतीय मान Pg - 650 ② शिक्षामनोविज्ञान, एन.के. मंगल (2015) PHILear Pvt Ltd Pg. No. 582-584</p>

Additional Remarks :-

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination School levt Biology 2015

Name of Ex

(with Post & C

Question No. (Series A)	Answer	Remarks/References (Use proper arguments or references in support of your answers)
102.	2 & 4	<p>As both the Hormones <u>Oxytocin</u> and <u>Prolactin</u> (option no-2 and 4 respectively) are responsible in the process of <u>Lactation</u>.</p> <p>Hence (2) Oxytocin is responsible for ejection of milk by contraction of alveoli and ducts of mammary gland to be deleted (4) Prolactin is responsible for production and maintenance of milk. Development of Mammary glands.</p>
		<p>Supporting documents attached (photo copy of.)</p> <p>1. <u>गुण्डाचण्ड</u> <u>सुखदेवी</u> <u>एड्स</u> <u>453452</u> CGuyton (919-920 929- (1032-1033 1034-1037)</p>

Additional Remarks :-

Signature

Date

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination Lecturer Biology (School Edn) 2015

Name of Expert

(with Post & Contact No.)

Question No. (Series A)	Answer	Remarks/References (Use proper arguments or references in support of your answers)
73	2	<ul style="list-style-type: none"> The English version of the question is correct and only one answer is correct. AS such as far as Eng. version is concerned concerned no objection stands if there is any. However in Hindi translation the word 'DNA' is missing, as has been pointed out by two candidates.
		<ul style="list-style-type: none"> Looking to the Hindi translation despite the missing word 'DNA', it has no much impact on the understanding of the question, and I feel a candidate can rightly grasp the zist of question. Further with reference to the 'Instructions for the Candidates' number 11; (printed on the booklet) which conveys that in any ambiguity in Hindi and English version, the English version should be considered.
		<ul style="list-style-type: none"> Since the English version is correct as such the question can be retained in this light.

Additional Remarks :-

Signature

Date

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

Name of Examination School Leet. Biology Exam 2015

Name of Expert

(with Post & Contact no

Question No. (Series A)	Answer	(Use proper arguments or references in support of your answers)
143	4	<p>प्रश्न पत्र के प्रश्न पृष्ठ पर दिए बिंदुओं के बिन्दु संख्या 11 के परिप्रेक्ष्य में अंग्रेजी रूपान्तरण की भाषा सही है। प्रश्न पाठ्यक्रम की इकाई 1, 2 व 3 में ही समाहित है जिसमें Cognitive के अन्तर्गत ही ब्लूम टेक्सनॉमी के वर्गीकरण में संज्ञानात्मक अथवा ज्ञानात्मक पक्ष का अन्तिम पद - "मूल्यांकन" है। अतः व्यतीकरण का विकल्प (4) उचित सही है।</p>
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Additional Remark

Rajasthan Public Service Commission, Ajmer

Expert Validation of Answer Key

63

-2

Name of Examination

उत्प्रेषण, रजसूत परीक्षा 2015 - Biology

Name of Expert 1 ..

(with Post & Contact no.) 2

Question No. (Series A)	Answer	(Use proper arguments or references in support of your answers)
73	02	<p>Objection regarding word 'DNA' missing from Hindi Version</p> <p>The instructions for candidates given on the main page of Question paper booklet point 11, clearly indicates "that in case of any ambiguity/mistake the English version will be treated as standard."</p> <p>The omission of word 'DNA' from the Hindi version question doesn't effect much as the ^{step} Elution is a process of Extraction. (option 2)</p> <p>Elution is the only correct answer (option 2) for the Question (No 73) whereas the other three options (1, 3, 4) are concerned with extraction during gel electrophoresis.</p>

Additional Remarks :-

Signature

Date