

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION.
MULTAN
OBJECTIVE KEY FOR INTER (PART I / II) SUPPLY Examination, 2016
Name of Subject Biology Session 2016

Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
8461	8463	8465	8467	
1.	D	C	C	A
2.	C	B	A	B
3.	C	C	C	A
4.	C	D	C	C
5.	A	C	B	A
6.	B	C	A	C
7.	A	C	B	C
8.	C	A	C	B
9.	A	B	B	A
10.	C	A	C	B
11.	C	C	D	C
12.	B	A	C	B
13.	A	C	C	C
14.	B	C	C	D
15.	C	B	A	C
16.	B	A	B	C
17.	C	B	A	C
18.				
19.				
20.				

ٹیفیکیٹ بابت صحیح سوالیہ پرچاہار کنگ Key

مذکور شدیں پرچاہار کنگ نامہ جزو II گروپ: عین New Biology انتساب: امتحان 2016 مکا سوالیہ پرچاہار اضافی امر و شی (Subjective & Objective) کو حل فرمیں چیک کر لیا ہے۔ پرچاہار ملبوس کے میں مطابق Set کیا گیا ہے۔ اس سوالیہ پرچاہار میں کسی حتم کی کوئی مشکلی نہ ہے۔ ہم نے سوالیہ پرچاہار اگرچہ Version ہجی چیک کر لیا ہے۔ آپس میں مطابقت دکھتے ہیں اور ملبوس (Syllabus) کے مطابق ہیں۔ نیز اس پرچاہار کی جاتی ہے کہ یہ بھی درست، بھلی گئی ہے۔ اس میں کسی کسی حتم کی کوئی مشکلی نہ ہے۔ مزید یہ کہ ہم نے مغلن بذریعہ کی بات سے تیار کر دی ہے۔ مغلن کو دو بڑیات دھول کر۔ کائنات بالغہ نہ کرایا ہے اور ان کی رخصی میں Key ملائی ہے۔

PREPARED & CHECKED BY

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BIOLOGY PAPER-II

OBJECTIVE

TIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

BIOLOGY PAPER-II**OBJECTIVE**

TIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

- (1) Herbaceous stage in xerosere is the:-
 (A) First stage (B) Third stage (C) Fourth stage (D) Last stage
- (2) A little light is left to power photosynthesis at the depth of:-
 (A) 500 feet (B) 600 feet (C) 1000 feet (D) 1200 feet
- (3) CFCs are produced by:-
 (A) Moving carts (B) Industrial machines (C) Air conditioners and refrigerators (D) Aeroplanes
- (4) Trimethylamine Oxide is produced in:-
 (A) Hag fish (B) Bony fish (C) Marine fish (D) Cartilaginous fish
- (5) The tolerance of dehydration is:-
 (A) Osmocon formers (B) Osmoregulators (C) Anhydrobiosis (D) Dehydration
- (6) The loss of water due to ex-osmosis from plant cells causes plant to:-
 (A) Turgid (B) Swell (C) Wilt (D) Rupture
- (7) The sleep movements of plants fall under the category of:-
 (A) Growth (B) Tactic (C) Turgor (D) Tropic
- (8) ____ are indole acetic acid or its variants.
 (A) Auxins (B) Gibberellins (C) Cytokinins (D) Ethene
- (9) Ovulation is induced by:-
 (A) FSH (B) LH (C) Estrogen (D) Progesterone
- (10) From beginning of the third month of pregnancy, the human embryo is referred to as the:-
 (A) Foetus (B) Placenta (C) Neonate (D) Young one
- (11) The pigment free area that appears at the time of fertilization is called:-
 (A) Embryo (B) Yolk (C) Gray crescent (D) White cytoplasm
- (12) Chromosomal part which uncoils, during inter phase is called:-
 (A) Euchromatin (B) Heterochromatin (C) Chromatids (D) Satellite DNA
- (13) Unequal separation of chromosomes is called:-
 (A) Disjunction (B) Separation (C) Non-disjunction (D) Metastasis
- (14) Nerve cells and eye lens cells remain in ____ stage for life time.
 (A) G₁ (B) G₂ (C) G₀ (D) S
- (15) ____ is the form of appearance of a trait.
 (A) Genotype (B) Phenotype (C) Pleiotropy (D) Epistasis
- (16) Persons with Huntington's disease have a unique site where a restriction enzyme cuts:-
 (A) DNA (B) RNA (C) Lipids (D) Proteins
- (17) Ozone in the upper layer of atmosphere that filters:-
 (A) IR radiation (B) UV radiation (C) β radiation (D) γ -radiation

BIOLOGY PAPER-II

OBJECTIVE

TIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17

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Q.No.1

Paper Code

Number:

8467

2016 (A)

Roll No. _____

INTERMEDIATE PART-II (12th CLASS)

BIOLOGY PAPER-II

OBJECTIVE

TIME ALLOWED: 20 Minutes

MAXIMUM MARKS: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

BIOLOGY PAPER-II2016 (A) **INTERMEDIATE PART-II (12th CLASS)**

Roll No: _____

TIME ALLOWED: 3.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 83

NOTE: - Write same question number and its part number on answer book,
as given in the question paper.

SECTION-I

2. Attempt any Eight parts. $8 \times 2 = 16$
- (i) Draw metabolic pathways in urea cycle.
 - (ii) What are Juxtamedullary Nephrons? Give their importance.
 - (iii) Write structural adaptations for regulation of heat exchange between animals and environment.
 - (iv) Differentiate between Fibres and Sclerids.
 - (v) Define Tactic Movements. Give its one type.
 - (vi) What is Osteoporosis? Write its treatment.
 - (vii) What is Apical Dominance? Give its cause.
 - (viii) Differentiate between Primary Organizer and Primary Induction.
 - (ix) Differentiate between Karyokinesis and Cytokinesis.
 - (x) Write symptoms of Turner's Syndrome.
 - (xi) What is meant by Genetic Drift?
 - (xii) Define Endangered Species. How they are different from Threatened Species?
3. Attempt any Eight parts. $8 \times 2 = 16$
- (i) What are Biological Rhythms?
 - (ii) Write Commercial applications of Cytokinins.
 - (iii) Define Receptors.
 - (iv) Define Fruit.
 - (v) What is Parthenogenesis?
 - (vi) Define Fraternal Twins.
 - (vii) What is Genome?
 - (viii) Define Bioreactors.
 - (ix) Differentiate between Coniferous Alpine and Boreal Forests.
 - (x) Define Desertification.
 - (xi) What are Renewable Resources?
 - (xii) Define Wild Life.

4. Attempt any Six parts. $6 \times 2 = 12$
- (i) Differentiate between Heterochromatin and Euchromatin.
 - (ii) Draw formula of Cytosine.
 - (iii) What is Chromosomal theory of Inheritance?
 - (iv) What is incomplete Dominance?
 - (v) What is XO – XX mechanism of sex determination?
 - (vi) What is Haemophilia? Name its types.
 - (vii) What are Biotic components of an ecosystem?
 - (viii) What is Mycorrhiza?
 - (ix) Differentiate between Micronutrients and Macronutrients.

SECTION-II

- NOTE:** - Attempt any three questions. $8 \times 3 = 24$
- | | |
|--|---|
| 5.(a) Write note on Fossil Fuels. | 4 |
| (b) Discuss Kidney problems and cures. | 4 |
| 6.(a) What are Joints? Describe their different types. | 4 |
| (b) Describe comparative anatomy as an evidence of evolution. | 4 |
| 7.(a) Describe four different types of learning behaviour. | 4 |
| (b) Write a note on Grazing. | 4 |
| 8.(a) Explain human female reproductive system. | 4 |
| (b) Give Meselson-Stahl experiment to show that replication of DNA is semi-conservative. | 4 |
| 9.(a) Write a note on Regeneration. | 4 |
| (b) Discuss sex-linkage in humans with one example. | 4 |

SECTION-III (PRACTICAL)

10. Attempt any three parts. 5
- (A) Sketch and label the urino-genital system of male frog. 5
 - (B) Draw the labelled diagram of hind limb of frog. 5
 - (C) Write down the procedure to demonstrate the phenomenon of phototropism. 5
 - (D) Also write down the observations. 5
 - (E) Write the procedure to investigate the components of aquatic food web. 5
 - Answer the following questions briefly:- 5
 - (i) Define food chain. (ii) Give the name of single bone of upper arm.
 - (iii) What is the function of α – cells in pancreas? (iv) What is Phototropism?
 - (v) What is the status of fungi in ecosystem?