PPSC Lecturer Biology | BS-17 — GUESS PAPER 2026 (Set 2 of 2) · Predicted Questions

Body: Punjab Public Service Commission (PPSC) · **Post:** Lecturer Biology | BS-17 · **Set:** 2 of 2 · **Questions:** 100 predicted — 0 repeated questions, 25 verified facts predicted to recur, 75 syllabus anchors · **Price:** Free

GUESS PAPER — predicted questions for the upcoming exam, NOT a past paper. Every question below is a prediction: it is here because the same question, the same fact, or the same topic appeared in verified PPSC Lecturer Biology | BS-17 past papers. **No pass guarantee.** A guess paper raises the odds; it does not promise a result. Answers are the best-supported answers, not exam keys.

[C]-HEAVY PAPER — thin verified pool. 75 of the 100 questions below are syllabus anchors on this post's recurring topics, because the verified archive for this post holds only 50 items. Those questions are flagged [C] on every one of them: they are predictions about the syllabus, not verified facts. Study the topic, not just the answer.

> **How to use this paper:** study the basis under each question, not just the answer — the real paper will ask the same topics in different words. Revise the underlying topic, not only the four options. Do not quote any item as "asked in the 2026 exam" — nothing here has been asked yet.

Question 1 Biology

Which syndrome results from autosomal non-disjunction?

- A. Down syndrome ✓ **Predicted answer**
- B. Turner syndrome
- C. Klinefelter syndrome

syndrome

Why this answer? Down syndrome results from autosomal non-disjunction (trisomy 21).

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q26 (verified item — correct answer: Down syndrome).

Question 2 Biology

The joining of polypeptide chains into one functional protein is which level of protein structure?

- A. Primary
- B. Secondary
- C. Quaternary ✓ **Predicted answer**
- D. Tertiary

Why this answer? The joining of two or more polypeptide chains into a single functional protein is the quaternary structure.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q27 (verified item — correct answer: Quaternary).

Question 3 Biology

What is the first level of chromatin packaging in a eukaryotic chromosome?

- A. 30 nm solenoid fibre
- B. Nucleosome ✓ **Predicted answer**
- C. Looped domain
- D. Metaphase chromatid

Why this answer? The lowest (first) level of chromatin packaging is the nucleosome.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q28 (verified item — correct answer: Nucleosome).

4 Biology

Why does sugarcane fix carbon dioxide so efficiently?

- A. It uses the Calvin cycle alone (C3 pathway)
- B. It uses the Hatch-Slack (C4) pathway ✓ **Predicted answer**
- C. It uses crassulacean acid metabolism
- D. It uses photorespiration

Why this answer? Sugarcane fixes carbon dioxide with high efficiency because it performs the Hatch-Slack (C4) pathway.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q29 (verified item — correct answer: Hatch-Slack (C4) pathway).

Question 5 Biology

Which technique is NOT used to study protein structure?

- A. X-ray crystallography
- B. Magnetic resonance imaging (MRI) ✓ **Predicted answer**
- C. NMR spectroscopy
- D. Cryo-electron microscopy

Why this answer? MRI is not used to study protein structure; X-ray crystallography, NMR and cryo-EM are.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q30 (verified item — correct answer: Magnetic resonance imaging (MRI)).

Question 6 Biology

By which method can the three-dimensional structure of a protein be studied?

- A. Paper chromatography
- B. Southern blotting

ymerase chain reaction

- D. X-ray crystallography ✓ **Predicted answer**

Why this answer? The three-dimensional structure of a protein can be studied by X-ray crystallography.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q31 (verified item — correct answer: X-ray crystallography).

Question 7 Biology

Which polysaccharide is made by bacteria and yeasts?

- A. Inulin
- B. Dextran ✓ **Predicted answer**
- C. Pectin
- D. Starch

Why this answer? Dextran is a polysaccharide produced by bacteria and yeasts.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q32 (verified item — correct answer: Dextran).

Question 8 Biology

The first vaccine made by recombinant DNA technology was against:

- A. Polio
- B. Smallpox
- C. Rabies
- D. Hepatitis B ✓ **Predicted answer**

Why this answer? The first vaccine produced by recombinant DNA technology was against hepatitis B.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q33

n — correct answer: Hepatitis B).

Question 9 Biology

What is the anticodon for the mRNA codon GCA?

- A. CGT
- B. GCU
- C. CGU ✓ **Predicted answer**
- D. ACG

Why this answer? The anticodon for the mRNA codon GCA is CGU.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q34 (verified item — correct answer: CGU).

Question 10 Biology

Who first worked out the amino acid sequence of insulin?

- A. Linus Pauling
- B. Frederick Sanger ✓ **Predicted answer**
- C. Banting and Best
- D. Max Perutz

Why this answer? Frederick Sanger was the first to determine the amino acid sequence of insulin.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q35 (verified item — correct answer: Frederick Sanger).

Question 11 Biology

What mainly keeps water liquid at room temperature?

- A. Ionic bonds

alent bonds

- C. Hydrogen bonds ✓ **Predicted answer**
- D. Metallic bonds

Why this answer? Water is a liquid at room temperature mainly because of hydrogen bonds.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q36 (verified item — correct answer: Hydrogen bonds).

Question 12 Biology

Cri du chat syndrome is caused by a deletion on which chromosome?

- A. Chromosome 5 ✓ **Predicted answer**
- B. Chromosome 21
- C. Chromosome 13
- D. Chromosome 18

Why this answer? Cri du chat syndrome is caused by a deletion in chromosome 5.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q37 (verified item — correct answer: Chromosome 5).

Question 13 Biology

Where in a eukaryotic cell is mRNA made?

- A. Cytoplasm
- B. Ribosome
- C. Golgi apparatus
- D. Nucleus ✓ **Predicted answer**

Why this answer? In eukaryotic cells, mRNA is produced in the nucleus.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q38

n — correct answer: Nucleus).

Question 14 Biology

The study of DNA methylation belongs to which field?

- A. Population genetics
- B. Cytogenetics
- C. Epigenetics ✓ **Predicted answer**
- D. Pharmacogenetics

Why this answer? DNA methylation is a mechanism studied in epigenetics.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q39 (verified item — correct answer: Epigenetics).

Question 15 Biology

A coiled polypeptide held by hydrogen bonds within the same chain is called:

- A. Alpha helix ✓ **Predicted answer**
- B. Beta pleated sheet
- C. Tertiary structure
- D. Quaternary structure

Why this answer? A coiled polypeptide chain held by hydrogen bonds between peptide groups of the same chain is an alpha helix.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q40 (verified item — correct answer: Alpha helix).

Question 16 Biology

Using bacteria to extract metals from ores is called:

- A. Biomining ✓ **Predicted answer**

- C. Biofortification
- D. Biomagnification

Why this answer? The use of bacteria to extract metals from ores in mining is biomining.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q42 (verified item — correct answer: Biomining).

Question 17 Biology

Which feature is found in gymnosperms but not in other seed plants?

- A. Vascular tissue
- B. Pollen grains
- C. Seeds containing an embryo
- D. Naked seeds not enclosed in an ovary ✓ **Predicted answer**

Why this answer? Gymnosperms have naked seeds not enclosed in an ovary.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q43 (verified item — correct answer: Naked seeds not enclosed in an ovary).

Question 18 Biology

Which plant group is non-vascular?

- A. Pteridophytes
- B. Gymnosperms
- C. Bryophytes ✓ **Predicted answer**
- D. Angiosperms

Why this answer? Bryophytes are non-vascular plants.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q44 (verified item — correct answer: Bryophytes).

19 Biology

Which layer is called the 'mother of pearl'?

- A. Periostracum
- B. Nacre ✓ **Predicted answer**
- C. Prismatic layer
- D. Mantle

Why this answer? The nacre is called the 'mother of pearl' layer.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q45 (verified item — correct answer: Nacre).

Question 20 Biology

Which plant hormone makes fruit ripen?

- A. Auxin
- B. Gibberellin
- C. Ethylene ✓ **Predicted answer**
- D. Cytokinin

Why this answer? Ethylene is the plant hormone that promotes fruit ripening.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q47 (verified item — correct answer: Ethylene).

Question 21 Biology

Which of these does NOT belong to phylum Mollusca?

- A. Sea hare
- B. Sea lemon
- C. Sea butterfly
- D. Sea feather ✓ **Predicted answer**

swer? The sea feather does not belong to phylum Mollusca (it is a cnidarian).

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q48 (verified item — correct answer: Sea feather).

Question 22 Biology

Which animals have an asymmetrical body plan?

- A. Cnidarians
- B. Sponges ✓ **Predicted answer**
- C. Echinoderms
- D. Annelids

Why this answer? Sponges have an asymmetrical body plan.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q49 (verified item — correct answer: Sponges).

Question 23 Biology

Where does protein synthesis take place?

- A. Lysosomes
- B. Golgi apparatus
- C. Ribosomes ✓ **Predicted answer**
- D. Nucleolus

Why this answer? Protein synthesis takes place on ribosomes.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q50 (verified item — correct answer: Ribosomes).

Question 24 Biology

Which organelle is called the kitchen of the cell?

- B. Chloroplast ✓ **Predicted answer**
- C. Nucleus
- D. Ribosome

Why this answer? The chloroplast is the kitchen of the cell.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: cell biology recurs in every Lecturer Biology sitting.

Question 25 Biology

Which organelle packages proteins for transport?

- A. Ribosome
- B. Lysosome
- C. Golgi apparatus ✓ **Predicted answer**
- D. Nucleus

Why this answer? The Golgi apparatus packages proteins.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: cell biology recurs in every Lecturer Biology sitting.

Question 26 Biology

Which organelle contains the cell's genetic material?

- A. Mitochondrion
- B. Ribosome
- C. Nucleus ✓ **Predicted answer**
- D. Vacuole

Why this answer? The nucleus contains the genetic material.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: cell biology recurs in

er Biology sitting.

Question 27 Biology

Which structure controls what enters and leaves the cell?

- A. Cell wall
- B. Cytoplasm
- C. Cell membrane ✓ **Predicted answer**
- D. Nucleus

Why this answer? The cell membrane controls entry and exit.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: cell biology recurs in every Lecturer Biology sitting.

Question 28 Biology

Which pigment is needed for photosynthesis besides chlorophyll?

- A. Melanin
- B. Haemoglobin
- C. Carotenoid ✓ **Predicted answer**
- D. Keratin

Why this answer? Carotenoids assist photosynthesis.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 29 Biology

Which part of the plant makes food by photosynthesis?

- A. Leaf ✓ **Predicted answer**
- B. Root

- D. Seed

Why this answer? The leaf makes food by photosynthesis.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 30 Biology

Which gas do plants release at night?

- A. Carbon dioxide ✓ **Predicted answer**
- B. Oxygen
- C. Nitrogen
- D. Hydrogen

Why this answer? At night plants respire and release carbon dioxide.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 31 Biology

Which mineral is needed by plants to make chlorophyll?

- A. Iron
- B. Calcium
- C. Potassium
- D. Magnesium ✓ **Predicted answer**

Why this answer? Magnesium is the central atom of chlorophyll.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

32 Biology

How many chromosomes are there in a human sex cell (gamete)?

- A. 46
- B. 22
- C. 44
- D. 23 ✓ **Predicted answer**

Why this answer? A human gamete has 23 chromosomes.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 33 Biology

What is the diploid chromosome number in humans?

- A. 46 ✓ **Predicted answer**
- B. 23
- C. 44
- D. 48

Why this answer? Humans are diploid with 46 chromosomes.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 34 Biology

Which sugar is present in DNA?

- A. Ribose
- B. Glucose
- C. Fructose
- D. Deoxyribose ✓ **Predicted answer**

swer? DNA contains deoxyribose sugar.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 35 Biology

Who discovered the structure of DNA with Crick?

- A. Gregor Mendel
- B. Lamarck
- C. Darwin
- D. James Watson ✓ **Predicted answer**

Why this answer? James Watson worked out the DNA structure with Crick.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 36 Biology

Which base is found in RNA but not in DNA?

- A. Adenine
- B. Uracil ✓ **Predicted answer**
- C. Guanine
- D. Cytosine

Why this answer? Uracil is found in RNA but not in DNA.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 37 Biology

What is the process of copying DNA called?

- B. Translation
- C. Replication ✓ **Predicted answer**
- D. Mutation

Why this answer? Copying DNA is replication.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 38 Biology

What is the full form of mRNA?

- A. Mutant RNA
- B. Modified RNA
- C. Main RNA
- D. Messenger RNA ✓ **Predicted answer**

Why this answer? mRNA stands for messenger RNA.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 39 Biology

Which blood cells help in clotting?

- A. Platelets ✓ **Predicted answer**
- B. Red blood cells
- C. White blood cells
- D. Plasma cells

Why this answer? Platelets help blood to clot.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology

ry Lecturer Biology sitting.

Question 40 Biology

Which blood group has no antigens on red cells?

- A. A
- B. B
- C. O ✓ **Predicted answer**
- D. AB

Why this answer? Blood group O has no A or B antigens.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 41 Biology

How many bones are there in the adult human body?

- A. 206 ✓ **Predicted answer**
- B. 196
- C. 216
- D. 226

Why this answer? An adult human has 206 bones.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 42 Biology

Which is the longest bone in the human body?

- A. Femur ✓ **Predicted answer**
- B. Tibia

- D. Radius

Why this answer? The femur is the longest bone.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 43 Biology

Which organ stores bile?

- A. Liver
- B. Gall bladder ✓ **Predicted answer**
- C. Pancreas
- D. Spleen

Why this answer? The gall bladder stores bile.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 44 Biology

Which is the smallest bone in the human body?

- A. Malleus
- B. Incus
- C. Hyoid
- D. Stapes ✓ **Predicted answer**

Why this answer? The stapes (in the ear) is the smallest bone.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

45 Biology

Which gland controls the body's metabolism?

- A. Pituitary gland
- B. Thyroid gland ✓ **Predicted answer**
- C. Adrenal gland
- D. Pancreas

Why this answer? The thyroid gland controls metabolism.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 46 Biology

Which hormone is called the fight-or-flight hormone?

- A. Insulin
- B. Adrenaline ✓ **Predicted answer**
- C. Thyroxine
- D. Oestrogen

Why this answer? Adrenaline is the fight-or-flight hormone.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 47 Biology

Which disease is caused by iodine deficiency?

- A. Goitre ✓ **Predicted answer**
- B. Diabetes
- C. Anaemia
- D. Rickets

swer? Goitre is caused by iodine deficiency.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 48 Biology

Which vitamin helps blood to clot?

- A. Vitamin K ✓ **Predicted answer**
- B. Vitamin D
- C. Vitamin A
- D. Vitamin B

Why this answer? Vitamin K helps blood to clot.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: biochemistry recurs in every Lecturer Biology sitting.

Question 49 Biology

Which vitamin prevents scurvy?

- A. Vitamin A
- B. Vitamin C ✓ **Predicted answer**
- C. Vitamin D
- D. Vitamin B12

Why this answer? Vitamin C prevents scurvy.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: biochemistry recurs in every Lecturer Biology sitting.

Question 50 Biology

Which vitamin is needed for healthy bones?

min D ✓ **Predicted answer**

- B. Vitamin A
- C. Vitamin C
- D. Vitamin K

Why this answer? Vitamin D is needed for healthy bones.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: biochemistry recurs in every Lecturer Biology sitting.

Question 51 Biology

Which mineral is needed for strong bones and teeth?

- A. Iron
- B. Iodine
- C. Zinc
- D. Calcium ✓ **Predicted answer**

Why this answer? Calcium is needed for strong bones and teeth.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: biochemistry recurs in every Lecturer Biology sitting.

Question 52 Biology

Which organ produces insulin?

- A. Liver
- B. Pancreas ✓ **Predicted answer**
- C. Kidney
- D. Spleen

Why this answer? The pancreas produces insulin.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology

ry Lecturer Biology sitting.

Question 53 Biology

Which part of the brain is the largest?

- A. Cerebellum
- B. Medulla
- C. Pons
- D. Cerebrum ✓ **Predicted answer**

Why this answer? The cerebrum is the largest part of the brain.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 54 Biology

Which blood vessel carries blood away from the heart?

- A. Artery ✓ **Predicted answer**
- B. Vein
- C. Capillary
- D. Vena cava

Why this answer? Arteries carry blood away from the heart.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 55 Biology

Which blood vessel carries blood towards the heart?

- A. Vein ✓ **Predicted answer**
- B. Artery

- D. Aorta

Why this answer? Veins carry blood towards the heart.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 56 Biology

What is the normal pulse rate of a resting adult?

- A. 60 beats per minute
- B. 100 beats per minute
- C. 72 beats per minute ✓ **Predicted answer**
- D. 120 beats per minute

Why this answer? A resting adult pulse is about 72 beats per minute.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

Question 57 Biology

Which organ is used for breathing in fish?

- A. Lungs
- B. Gills ✓ **Predicted answer**
- C. Skin
- D. Spiracles

Why this answer? Fish breathe through gills.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: human physiology recurs in every Lecturer Biology sitting.

58 Biology

Which process releases energy in cells?

- A. Photosynthesis
- B. Transpiration
- C. Respiration ✓ **Predicted answer**
- D. Digestion

Why this answer? Respiration releases energy in cells.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 59 Biology

Which part of the seed grows into the root?

- A. Plumule
- B. Radicle ✓ **Predicted answer**
- C. Cotyledon
- D. Testa

Why this answer? The radicle grows into the root.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 60 Biology

Which tissue carries food in plants?

- A. Xylem
- B. Cortex
- C. Pith
- D. Phloem ✓ **Predicted answer**

swer? Phloem carries food in plants.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 61 Biology

Which tissue carries water in plants?

- A. Phloem
- B. Cortex
- C. Xylem ✓ **Predicted answer**
- D. Pith

Why this answer? Xylem carries water in plants.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 62 Biology

Which is the female part of a flower?

- A. Stamen
- B. Sepal
- C. Pistil ✓ **Predicted answer**
- D. Petal

Why this answer? The pistil is the female part of a flower.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 63 Biology

Which is the male part of a flower?

- B. Sepal
- C. Stamen ✓ **Predicted answer**
- D. Petal

Why this answer? The stamen is the male part of a flower.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: plant physiology recurs in every Lecturer Biology sitting.

Question 64 Biology

Who is known as the father of modern genetics?

- A. Gregor Mendel ✓ **Predicted answer**
- B. Thomas Morgan
- C. Watson
- D. Crick

Why this answer? Gregor Mendel is the father of modern genetics.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: genetics recurs in every Lecturer Biology sitting.

Question 65 Biology

Who proposed the theory of inheritance of acquired characters?

- A. Darwin
- B. Mendel
- C. Lamarck ✓ **Predicted answer**
- D. Weismann

Why this answer? Lamarck proposed the inheritance of acquired characters.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: evolution recurs in

er Biology sitting.

Question 66 Biology

Who gave the binomial system of naming organisms?

- A. Darwin
- B. Mendel
- C. Aristotle
- D. Linnaeus ✓ **Predicted answer**

Why this answer? Linnaeus gave the binomial system.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: taxonomy recurs in every Lecturer Biology sitting.

Question 67 Biology

What is the study of birds called?

- A. Entomology
- B. Ichthyology
- C. Herpetology
- D. Ornithology ✓ **Predicted answer**

Why this answer? Ornithology is the study of birds.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: taxonomy recurs in every Lecturer Biology sitting.

Question 68 Biology

What is the study of insects called?

- A. Ornithology
- B. Ichthyology

omology ✓ **Predicted answer**
- D. Mycology

Why this answer? Entomology is the study of insects.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: taxonomy recurs in every Lecturer Biology sitting.

Question 69 Biology

What is the study of fishes called?

- A. Ornithology
- B. Entomology
- C. Herpetology
- D. Ichthyology ✓ **Predicted answer**

Why this answer? Ichthyology is the study of fishes.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: taxonomy recurs in every Lecturer Biology sitting.

Question 70 Biology

Which animal is the largest land mammal?

- A. African elephant ✓ **Predicted answer**
- B. Blue whale
- C. Giraffe
- D. Hippopotamus

Why this answer? The African elephant is the largest land mammal.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

71 Biology

Which bird is the fastest in flight?

- A. Eagle
- B. Peregrine falcon ✓ **Predicted answer**
- C. Sparrow
- D. Ostrich

Why this answer? The peregrine falcon is the fastest bird in flight.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

Question 72 Biology

Which is the tallest land animal?

- A. Elephant
- B. Camel
- C. Horse
- D. Giraffe ✓ **Predicted answer**

Why this answer? The giraffe is the tallest land animal.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

Question 73 Biology

Which is the largest fish in the world?

- A. Blue whale
- B. Great white shark
- C. Whale shark ✓ **Predicted answer**
- D. Tuna

swer? The whale shark is the largest fish.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

Question 74 Biology

Which organ helps frogs to breathe on land?

- A. Gills
- B. Skin
- C. Spiracles
- D. Lungs ✓ **Predicted answer**

Why this answer? Frogs breathe through lungs on land.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

Question 75 Biology

Which of the following is a mammal that can fly?

- A. Bat ✓ **Predicted answer**
- B. Owl
- C. Penguin
- D. Butterfly

Why this answer? The bat is a flying mammal.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: zoology recurs in every Lecturer Biology sitting.

Question 76 Biology

If the frequency of an allele is 0.4, what is the expected frequency of heterozygotes

- A. 0.16
- B. 0.48 ✓ **Predicted answer**
- C. 0.36
- D. 0.24

Why this answer? With p = 0.4, q = 0.6, heterozygotes = 2pq = 0.48.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: Hardy-Weinberg equilibrium recurs in every Lecturer Biology sitting.

Question 77 Biology

If the frequency of an allele is 0.9, what is the expected frequency of heterozygotes under Hardy-Weinberg?

- A. 0.81
- B. 0.18 ✓ **Predicted answer**
- C. 0.01
- D. 0.09

Why this answer? With p = 0.9, q = 0.1, heterozygotes = 2pq = 0.18.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: Hardy-Weinberg equilibrium recurs in every Lecturer Biology sitting.

Question 78 Biology

If the frequency of an allele is 0.2, what is the expected frequency of heterozygotes under Hardy-Weinberg?

- A. 0.32 ✓ **Predicted answer**
- B. 0.04
- C. 0.64

Why this answer? With p = 0.2, q = 0.8, heterozygotes = 2pq = 0.32.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biology: Hardy-Weinberg equilibrium recurs in every Lecturer Biology sitting.

Question 79 Mathematics

Two people are aged in the ratio 6:5 and their ages add to 44. What is the ratio of their ages 8 years from now?

- A. 7:6
- B. 11:10
- C. 3:2
- D. 8:7 ✓ **Predicted answer**

Why this answer? Their ages are 24 and 20; after 8 years they are 32 and 28, a ratio of 8:7.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q46 (verified item — correct answer: 8:7).

Question 80 Chemistry

What is the 'lead' of an ordinary pencil made of?

- A. Charcoal
- B. Lead
- C. Graphite ✓ **Predicted answer**
- D. Diamond

Why this answer? The 'lead' of an ordinary pencil is made mainly of graphite.

Why predicted [B] — Verified fact, predicted to recur: ppsc-lecturer-biology-2022 Q41 (verified item — correct answer: Graphite).

81 General Knowledge

When did Pakistan come into being?

- A. 15 August 1947
- B. 14 August 1947 ✓ **Predicted answer**
- C. 23 March 1940
- D. 14 August 1948

Why this answer? Pakistan came into being on 14 August 1947.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 82 General Knowledge

Who is known as the founder of Pakistan?

- A. Quaid-e-Azam Muhammad Ali Jinnah ✓ **Predicted answer**
- B. Liaquat Ali Khan
- C. Allama Iqbal
- D. Sir Syed Ahmad Khan

Why this answer? Muhammad Ali Jinnah is the founder of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 83 General Knowledge

Which is the national language of Pakistan?

- A. Punjabi
- B. Sindhi
- C. Pashto
- D. Urdu ✓ **Predicted answer**

swer? Urdu is the national language of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 84 General Knowledge

Which city is called the City of Gardens in Pakistan?

- A. Karachi
- B. Islamabad
- C. Lahore ✓ **Predicted answer**
- D. Multan

Why this answer? Lahore is known as the City of Gardens.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 85 General Knowledge

Which is the largest city of Pakistan?

- A. Lahore
- B. Karachi ✓ **Predicted answer**
- C. Faisalabad
- D. Rawalpindi

Why this answer? Karachi is the largest city of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 86 General Knowledge

Which pass connects Pakistan with China?

ber Pass

- B. Khunjerab Pass ✓ **Predicted answer**
- C. Bolan Pass
- D. Lowari Pass

Why this answer? The Khunjerab Pass connects Pakistan with China.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 87 General Knowledge

Which is the national sport of Pakistan?

- A. Hockey ✓ **Predicted answer**
- B. Cricket
- C. Squash
- D. Football

Why this answer? Hockey is the national sport of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan facts recur in every Lecturer sitting.

Question 88 General Knowledge

Who wrote the national anthem of Pakistan?

- A. Hafeez Jalandhari ✓ **Predicted answer**
- B. Allama Iqbal
- C. Faiz Ahmad Faiz
- D. Josh Malihabadi

Why this answer? Hafeez Jalandhari wrote Pakistan's national anthem.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan

Question 89 General Knowledge

Which is the deepest ocean in the world?

- A. Atlantic
- B. Indian
- C. Southern
- D. Pacific ✓ **Predicted answer**

Why this answer? The Pacific contains the Mariana Trench, the deepest point.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: world geography facts recur in every Lecturer sitting.

Question 90 English

Choose the correct synonym of 'Happy'.

- A. Sad
- B. Angry
- C. Tired
- D. Joyful ✓ **Predicted answer**

Why this answer? 'Joyful' is a synonym of 'happy'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: synonyms recur in every Lecturer sitting.

Question 91 English

Choose the correct antonym of 'Brave'.

- A. Bold
- B. Cowardly ✓ **Predicted answer**

- D. Heroic

Why this answer? 'Cowardly' is the antonym of 'brave'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: antonyms recur in every Lecturer sitting.

Question 92 English

Choose the correct spelling of the word meaning an event.

- A. Occurence
- B. Ocurrence
- C. Occurrence ✓ **Predicted answer**
- D. Occurrance

Why this answer? 'Occurrence' is the correct spelling.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: spelling recur in every Lecturer sitting.

Question 93 English

The plural of 'Child' is:

- A. Childs
- B. Childes
- C. Children ✓ **Predicted answer**
- D. Childrens

Why this answer? The plural of 'child' is 'children'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: plurals recur in every Lecturer sitting.

94 English

Choose the correct synonym of 'Begin'.

- A. End
- B. Stop
- C. Finish
- D. Start ✓ **Predicted answer**

Why this answer? 'Start' is a synonym of 'begin'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: synonyms recur in every Lecturer sitting.

Question 95 English

Choose the correct antonym of 'Ancient'.

- A. Modern ✓ **Predicted answer**
- B. Old
- C. Antique
- D. Classic

Why this answer? 'Modern' is the antonym of 'ancient'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: antonyms recur in every Lecturer sitting.

Question 96 English

He ___ to school every day.

- A. go
- B. going
- C. gone
- D. goes ✓ **Predicted answer**

swer? With 'he', the present simple takes 'goes'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: grammar (subject-verb agreement) recurs in every Lecturer sitting.

Question 97 English

Choose the correct spelling of the word meaning apart.

- A. Separate ✓ **Predicted answer**
- B. Seperate
- C. Seprate
- D. Separete

Why this answer? 'Separate' is the correct spelling.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: spelling recur in every Lecturer sitting.

Question 98 English

The past tense of 'Teach' is:

- A. Teached
- B. Taught ✓ **Predicted answer**
- C. Teaching
- D. Teaches

Why this answer? The past tense of 'teach' is 'taught'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: grammar (verb forms) recurs in every Lecturer sitting.

Question 99 English

Choose the correct synonym of 'Wealthy'.

- ✓ Predicted answer
- B. Poor
- C. Needy
- D. Broke

Why this answer? 'Rich' is a synonym of 'wealthy'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: synonyms recur in every Lecturer sitting.

Question 100 English

Choose the correct antonym of 'Victory'.

- A. Triumph
- B. Defeat ✓ **Predicted answer**
- C. Win
- D. Success

Why this answer? 'Defeat' is the antonym of 'victory'.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: antonyms recur in every Lecturer sitting.

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