PPSC Bio Medical Engineer | BS-17 — GUESS PAPER 2026 (Set 1 of 2) · Predicted Questions

Body: Punjab Public Service Commission (PPSC) · **Post:** Bio Medical Engineer | BS-17 · **Set:** 1 of 2 · **Questions:** 100 predicted — 0 repeated questions, 20 verified facts predicted to recur, 80 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 Bio Medical Engineer | 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. 80 of the 100 questions below are syllabus anchors on this post's recurring topics, because the verified archive for this post holds only 39 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 Do not quote any item as "asked in the 2026 exam" — nothing here has been asked yet.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 Biomedical Engineering

What does an electrocardiogram (ECG) record?

- A. Electrical activity of the heart ✓ **Predicted answer**
- B. Blood pressure in the arteries
- C. Oxygen level in the blood

:trical activity of the brain

Why this answer? An ECG traces the electrical signals that make the heart beat, so doctors use it to check the heart's rhythm.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: ECG and cardiac monitoring recur in this post's syllabus.

Question 2 Biomedical Engineering

What is the normal resting heart rate of a healthy adult?

- A. 40 to 50 beats per minute
- B. 60 to 100 beats per minute ✓ **Predicted answer**
- C. 100 to 140 beats per minute
- D. 140 to 180 beats per minute

Why this answer? A healthy adult's heart at rest normally beats between 60 and 100 times per minute.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: normal vital signs recur in this post's syllabus.

Question 3 Biomedical Engineering

Which instrument is used to measure blood pressure?

- A. Stethoscope
- B. Thermometer
- C. Sphygmomanometer ✓ **Predicted answer**
- D. Spirometer

Why this answer? A sphygmomanometer, used with a stethoscope, measures the pressure of blood in the arteries.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: blood

asurement recur in this post's syllabus.

Question 4 Biomedical Engineering

Who discovered X-rays?

- A. Marie Curie
- B. Thomas Edison
- C. Alexander Fleming
- D. Wilhelm Roentgen ✓ **Predicted answer**

Why this answer? Wilhelm Roentgen discovered X-rays in 1895, a discovery that founded medical imaging.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: history of medical imaging recurs in this post's syllabus.

Question 5 Biomedical Engineering

What does an MRI scanner use to form images of the body?

- A. X-rays
- B. Magnetic fields and radio waves ✓ **Predicted answer**
- C. Sound waves only
- D. Gamma rays

Why this answer? MRI uses strong magnetic fields and radio waves, and no ionising radiation, to image soft tissues.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: medical imaging methods recur in this post's syllabus.

Question 6 Biomedical Engineering

What is the normal temperature of the human body?

degrees Celsius

- B. 36 degrees Celsius
- C. 37 degrees Celsius ✓ **Predicted answer**
- D. 39 degrees Celsius

Why this answer? The normal human body temperature is about 37 degrees Celsius.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: normal vital signs recur in this post's syllabus.

Question 7 Biomedical Engineering

What is a defibrillator used for?

- A. To measure blood sugar
- B. To record brain activity
- C. To test lung capacity
- D. To restore a normal heart rhythm ✓ **Predicted answer**

Why this answer? A defibrillator delivers a controlled electric shock to restore a normal heartbeat in cardiac arrest.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: emergency medical devices recur in this post's syllabus.

Question 8 Biomedical Engineering

Who invented the stethoscope?

- A. Rene Laennec ✓ **Predicted answer**
- B. William Harvey
- C. Louis Pasteur
- D. Joseph Lister

Why this answer? Rene Laennec invented the stethoscope in 1816 to listen to sounds

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: history of medical instruments recurs in this post's syllabus.

Question 9 Biomedical Engineering

What does a pulse oximeter measure?

- A. Blood pressure
- B. Blood sugar
- C. Oxygen saturation of the blood ✓ **Predicted answer**
- D. Body temperature

Why this answer? A pulse oximeter clips on a finger and measures how much oxygen the blood is carrying.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: patient monitoring devices recur in this post's syllabus.

Question 10 Biomedical Engineering

Which organ of the body produces insulin?

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

Why this answer? Insulin, the hormone that controls blood sugar, is produced by the pancreas.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human physiology recurs in this post's syllabus.

11 Biomedical Engineering

How many chambers does the human heart have?

- A. Four ✓ **Predicted answer**
- B. Two
- C. Three
- D. Five

Why this answer? The human heart has four chambers: two atria and two ventricles.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human anatomy recurs in this post's syllabus.

Question 12 Biomedical Engineering

Which blood group is known as the universal donor?

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

Why this answer? O negative blood can be given to patients of any blood group, so it is the universal donor group.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: blood groups and transfusion recur in this post's syllabus.

Question 13 Biomedical Engineering

What kind of waves does ultrasound imaging use?

- A. X-rays
- B. Gamma rays
- C. Magnetic fields

h-frequency sound waves ✓ **Predicted answer**

Why this answer? Ultrasound imaging sends high-frequency sound waves into the body and reads their echoes.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: medical imaging methods recur in this post's syllabus.

Question 14 Biomedical Engineering

What does a pacemaker do?

- A. Regulates the heartbeat ✓ **Predicted answer**
- B. Filters the blood
- C. Measures blood pressure
- D. Supplies oxygen to the lungs

Why this answer? A pacemaker sends small electrical pulses to keep the heart beating at a steady rate.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: implantable medical devices recur in this post's syllabus.

Question 15 Biomedical Engineering

A dialysis machine takes over the work of which organ when it fails?

- A. Heart
- B. Kidneys ✓ **Predicted answer**
- C. Liver
- D. Lungs

Why this answer? Dialysis cleans the blood and removes waste when the kidneys can no longer do so.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: life

ces recur in this post's syllabus.

Question 16 Biomedical Engineering

What is the SI unit of electric current?

- A. Volt
- B. Ohm
- C. Ampere ✓ **Predicted answer**
- D. Watt

Why this answer? The ampere is the SI unit of electric current.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: electrical units and circuits recur in this post's syllabus.

Question 17 Biomedical Engineering

What does a transducer do?

- A. Converts one form of energy into another ✓ **Predicted answer**
- B. Stores electric charge
- C. Amplifies a signal
- D. Blocks direct current

Why this answer? A transducer changes energy from one form to another, for example sound into an electrical signal.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: sensors and transducers recur in this post's syllabus.

Question 18 Biomedical Engineering

What is the normal blood pressure of a healthy adult?

- A. 90 over 60 mmHg

over 80 mmHg ✓ **Predicted answer**

- C. 140 over 90 mmHg
- D. 160 over 100 mmHg

Why this answer? A healthy adult's blood pressure is about 120 over 80 mmHg.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: normal vital signs recur in this post's syllabus.

Question 19 Biomedical Engineering

What does an electroencephalogram (EEG) record?

- A. Heart sounds
- B. Muscle activity
- C. Brain activity ✓ **Predicted answer**
- D. Lung volume

Why this answer? An EEG records the electrical activity of the brain through electrodes on the scalp.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: biomedical signal recording recurs in this post's syllabus.

Question 20 Biomedical Engineering

What is the functional unit of the kidney called?

- A. Neuron
- B. Alveolus
- C. Hepatocyte
- D. Nephron ✓ **Predicted answer**

Why this answer? The nephron is the functional unit of the kidney; it filters the blood and forms urine.

ed [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human anatomy recurs in this post's syllabus.

Question 21 Biomedical Engineering

Which is the largest artery in the human body?

- A. Pulmonary artery
- B. Aorta ✓ **Predicted answer**
- C. Carotid artery
- D. Femoral artery

Why this answer? The aorta, which carries blood from the heart to the rest of the body, is the largest artery.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human anatomy recurs in this post's syllabus.

Question 22 Biomedical Engineering

Which component of the blood carries oxygen to the tissues?

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

Why this answer? Haemoglobin in the red blood cells binds oxygen and carries it to the tissues.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human physiology recurs in this post's syllabus.

23 Biomedical Engineering

Which recording measures the electrical activity of muscles?

- A. ECG
- B. EEG
- C. Spirometer
- D. EMG ✓ **Predicted answer**

Why this answer? An electromyogram (EMG) measures the electrical activity of muscles.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: biomedical signal recording recurs in this post's syllabus.

Question 24 Biomedical Engineering

How many bones are there in the skeleton of an adult human?

- A. 206 ✓ **Predicted answer**
- B. 186
- C. 226
- D. 256

Why this answer? The adult human skeleton normally has 206 bones.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human anatomy recurs in this post's syllabus.

Question 25 Biomedical Engineering

Which instrument is used to examine the inside of the body with a thin tube and a camera?

- A. Microscope
- B. Telescope
- C. Endoscope ✓ **Predicted answer**

Why this answer? An endoscope is a thin tube with a camera that lets doctors see inside the body.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: diagnostic instruments recur in this post's syllabus.

Question 26 Biomedical Engineering

Which vitamin is produced in the skin by sunlight?

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

Why this answer? Sunlight on the skin triggers the production of vitamin D.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human physiology recurs in this post's syllabus.

Question 27 Biomedical Engineering

What is the normal pH of human blood?

- A. 7.4 ✓ **Predicted answer**
- B. 6.0
- C. 8.5
- D. 5.5

Why this answer? Human blood is slightly alkaline, with a normal pH of about 7.4.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human physiology recurs in this post's syllabus.

28 Biomedical Engineering

What is the main purpose of a ventilator in a hospital?

- A. To measure blood pressure
- B. To support breathing ✓ **Predicted answer**
- C. To record heartbeats
- D. To clean the blood

Why this answer? A ventilator moves air in and out of the lungs for patients who cannot breathe on their own.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: life-support devices recur in this post's syllabus.

Question 29 Biomedical Engineering

Which part of the brain controls balance and coordination?

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

Why this answer? The cerebellum, at the back of the brain, controls balance and coordination of movement.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: human anatomy recurs in this post's syllabus.

Question 30 Biomedical Engineering

Which imaging method uses no ionising radiation and is safe for repeated use in pregnancy?

- A. Ultrasound ✓ **Predicted answer**

- C. X-ray
- D. PET scan

Why this answer? Ultrasound uses sound waves, not ionising radiation, so it is the safe imaging choice in pregnancy.

Why predicted [C] — Syllabus anchor: syllabus anchor — Biomedical Engineering: medical imaging methods recur in this post's syllabus.

Question 31 General Knowledge

At the time of the August 2024 paper, who held the office of Secretary-General of the United Nations?

- A. Kofi Annan
- B. Antonio Guterres ✓ **Predicted answer**
- C. Ban Ki-moon
- D. Boutros Boutros-Ghali

Why this answer? Antonio Guterres was the UN Secretary-General in August 2024; the others are former holders of the office.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q5 (verified item — correct answer: Antonio Guterres).

Question 32 General Knowledge

Which forest of Pakistan is regarded as its oldest?

- A. Changa Manga
- B. Kirthar
- C. Ziarat Juniper Forest ✓ **Predicted answer**
- D. Ranikot

swer? The Ziarat Juniper Forest is the oldest forest of Pakistan; Changa Manga is a planted forest.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q6 (verified item — correct answer: Ziarat Juniper Forest).

Question 33 General Knowledge

In which city was the headquarters of the South-East Asia Treaty Organisation (SEATO) located?

- A. Bangkok ✓ **Predicted answer**
- B. Manila
- C. Jakarta
- D. Kuala Lumpur

Why this answer? The headquarters of SEATO was in Bangkok.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q19 (verified item — correct answer: Bangkok).

Question 34 General Knowledge

Which city is the capital of New Zealand?

- A. Canberra
- B. Wellington ✓ **Predicted answer**
- C. Tirana
- D. Algiers

Why this answer? Wellington is the capital of New Zealand; Canberra is the capital of Australia.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-

1M2024-LABOUR-HR Q20 (verified item — correct answer: Wellington).

Question 35 General Knowledge

What is the currency of Bhutan called?

- A. Riyal
- B. Euro
- C. Ngultrum ✓ **Predicted answer**
- D. Yen

Why this answer? The Ngultrum is the currency of Bhutan.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q21 (verified item — correct answer: Ngultrum).

Question 36 General Knowledge

What is the capital of Canada?

- A. Toronto
- B. Vancouver
- C. Montreal
- D. Ottawa ✓ **Predicted answer**

Why this answer? Ottawa is the capital of Canada.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: world capitals recur in this post's syllabus.

Question 37 General Knowledge

Which is the largest planet in the solar system?

- A. Saturn
- B. Jupiter ✓ **Predicted answer**

- D. Mars

Why this answer? Jupiter is the largest planet in the solar system.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: the solar system recurs in this post's syllabus.

Question 38 General Knowledge

What is the currency of Japan?

- A. Won
- B. Yuan
- C. Yen ✓ **Predicted answer**
- D. Ringgit

Why this answer? The Yen is the currency of Japan.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: world currencies recur in this post's syllabus.

Question 39 General Knowledge

Who was the first President of Pakistan?

- A. Ayub Khan
- B. Liaquat Ali Khan
- C. Muhammad Ali Jinnah
- D. Iskander Mirza ✓ **Predicted answer**

Why this answer? Iskander Mirza became the first President of Pakistan in 1956.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: Pakistan's heads of state recur in this post's syllabus.

40 General Knowledge

Into which sea does the river Indus flow?

- A. Arabian Sea ✓ **Predicted answer**
- B. Bay of Bengal
- C. Mediterranean Sea
- D. Red Sea

Why this answer? The river Indus flows into the Arabian Sea.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: rivers of Pakistan recur in this post's syllabus.

Question 41 General Knowledge

Which is the largest hot desert in the world?

- A. Gobi
- B. Kalahari
- C. Sahara ✓ **Predicted answer**
- D. Thar

Why this answer? The Sahara is the largest hot desert in the world.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: world geography recurs in this post's syllabus.

Question 42 General Knowledge

Who wrote the national anthem of Pakistan?

- A. Allama Iqbal
- B. Faiz Ahmed Faiz
- C. Ahmed Faraz
- D. Hafeez Jalandhari ✓ **Predicted answer**

swer: Hafeez Jalandhari wrote the Qaumi Tarana, Pakistan's national anthem.

Why predicted [C] — Syllabus anchor: syllabus anchor — General Knowledge: national symbols of Pakistan recur in this post's syllabus.

Question 43 Everyday Science

Warm-blooded animals spend energy keeping their body temperature steady mainly so that which process can work properly?

- A. Digestion ✓ **Predicted answer**
- B. Breathing
- C. Eating
- D. Growth

Why this answer? A steady warm body temperature keeps the body's enzymes and digestion working at their optimum.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q2 (verified item — correct answer: For digestion).

Question 44 Everyday Science

A battery supplies electrical energy by converting which form of stored energy?

- A. Mechanical energy
- B. Chemical energy ✓ **Predicted answer**
- C. Thermal energy
- D. Solar energy

Why this answer? A battery converts stored chemical energy into electrical energy.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q7 (verified item — correct answer: Chemical energy).

45 Everyday Science

Birds belong to which class of animals in terms of body temperature?

- A. Cold-blooded
- B. Both cold-blooded and warm-blooded
- C. Neither cold-blooded nor warm-blooded
- D. Warm-blooded ✓ **Predicted answer**

Why this answer? Birds are warm-blooded: they maintain a constant body temperature.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q10 (verified item — correct answer: Warm-blooded).

Question 46 Everyday Science

Fear of water, known as hydrophobia, is a symptom of which disease?

- A. Rabies ✓ **Predicted answer**
- B. Malaria
- C. Cholera
- D. Smallpox

Why this answer? Hydrophobia is a classic symptom of rabies.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q11 (verified item — correct answer: Rabies).

Question 47 Everyday Science

What is the chemical symbol of water?

- A. CO2
- B. H2O ✓ **Predicted answer**
- C. O2
- D. NaCl

swer? Water is made of two hydrogen atoms and one oxygen atom, so its symbol is H2O.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: basic chemistry recurs in this post's syllabus.

Question 48 Everyday Science

At what temperature does water boil at sea level?

- A. 90 degrees Celsius
- B. 95 degrees Celsius
- C. 100 degrees Celsius ✓ **Predicted answer**
- D. 110 degrees Celsius

Why this answer? Water boils at 100 degrees Celsius at sea level.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: heat and temperature recur in this post's syllabus.

Question 49 Everyday Science

Which planet is known as the Red Planet?

- A. Mars ✓ **Predicted answer**
- B. Venus
- C. Jupiter
- D. Mercury

Why this answer? Mars is known as the Red Planet because of its reddish surface.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: the solar system recurs in this post's syllabus.

50 Everyday Science

Which gas do plants absorb from the air for photosynthesis?

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

Why this answer? Plants absorb carbon dioxide from the air and use it, with sunlight, to make food.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: plants and photosynthesis recur in this post's syllabus.

Question 51 Everyday Science

What is the hardest naturally occurring substance?

- A. Gold
- B. Iron
- C. Diamond ✓ **Predicted answer**
- D. Quartz

Why this answer? Diamond is the hardest naturally occurring substance.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: materials and minerals recur in this post's syllabus.

Question 52 Everyday Science

Which organ pumps blood through the human body?

- A. Liver
- B. Brain
- C. Lung

ırt ✓ **Predicted answer**

Why this answer? The heart pumps blood through the whole body.

Why predicted [C] — Syllabus anchor: syllabus anchor — Everyday Science: the human body recurs in this post's syllabus.

Question 53 Computer Science

What is a database called whose tables are connected to each other through shared fields?

- A. Non-relational database
- B. Relational database ✓ **Predicted answer**
- C. Distributed database
- D. Cloud database

Why this answer? A database whose tables are linked by common fields is a relational database.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q14 (verified item — correct answer: Relational database).

Question 54 Computer Science

In MS Word, which shortcut aligns the selected text to the left?

- A. Ctrl+C
- B. Ctrl+R
- C. Ctrl+L ✓ **Predicted answer**
- D. Alt+L

Why this answer? Ctrl+L aligns the selected text to the left in MS Word.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-

1M2024-LABOUR-HR Q15 (verified item — correct answer: Ctrl+L).

Question 55 Computer Science

Where in Windows can the "Add new hardware" option be found?

- A. Title bar
- B. Status bar
- C. Taskbar
- D. Control Panel ✓ **Predicted answer**

Why this answer? The "Add new hardware" option exists in the Control Panel.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q16 (verified item — correct answer: Control Panel).

Question 56 Computer Science

Which Windows program works as the file manager of the operating system?

- A. Windows Explorer ✓ **Predicted answer**
- B. MS Word
- C. MS Excel
- D. Device driver

Why this answer? Windows Explorer is the file manager in the Windows operating system.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q17 (verified item — correct answer: Windows Explorer).

Question 57 Computer Science

In a slideshow, which effect controls how a slide enters and leaves the view?

- A. Animation

- C. Transition ✓ **Predicted answer**
- D. Templates

Why this answer? Transition is the effect that determines how a slide moves in and out of view in a slideshow.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q18 (verified item — correct answer: Transition).

Question 58 Computer Science

What does CPU stand for?

- A. Computer Personal Unit
- B. Central Program Utility
- C. Central Peripheral Unit
- D. Central Processing Unit ✓ **Predicted answer**

Why this answer? CPU stands for Central Processing Unit, the part of the computer that carries out instructions.

Why predicted [C] — Syllabus anchor: syllabus anchor — Computer Science: computer fundamentals recur in this post's syllabus.

Question 59 Computer Science

Which two digits does the binary number system use?

- A. 0 and 1 ✓ **Predicted answer**
- B. 1 and 2
- C. 0 and 9
- D. 1 and 10

Why this answer? The binary number system uses only the digits 0 and 1.

ed [C] — Syllabus anchor: syllabus anchor — Computer Science: number systems recur in this post's syllabus.

Question 60 Computer Science

Which device is used to point and click on a computer screen?

- A. Keyboard
- B. Mouse ✓ **Predicted answer**
- C. Printer
- D. Scanner

Why this answer? The mouse is the pointing device used to click and select things on the screen.

Why predicted [C] — Syllabus anchor: syllabus anchor — Computer Science: computer hardware recurs in this post's syllabus.

Question 61 Computer Science

What does WWW stand for?

- A. World Wide Window
- B. Wide World Web
- C. Web World Wide
- D. World Wide Web ✓ **Predicted answer**

Why this answer? WWW stands for World Wide Web.

Why predicted [C] — Syllabus anchor: syllabus anchor — Computer Science: internet basics recur in this post's syllabus.

Question 62 Computer Science

One kilobyte equals how many bytes?

4 ✓ **Predicted answer**

- B. 100
- C. 512
- D. 2048

Why this answer? One kilobyte equals 1024 bytes.

Why predicted [C] — Syllabus anchor: syllabus anchor — Computer Science: data units recur in this post's syllabus.

Question 63 Physics

Which unit measures magnetic flux in the SI system?

- A. Tesla
- B. Weber ✓ **Predicted answer**
- C. Gauss
- D. Maxwell

Why this answer? Weber is the SI unit of magnetic flux.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q8 (verified item — correct answer: Weber).

Question 64 Physics

What is the standard least count of a vernier caliper with a 50-division vernier?

- A. 0.01 mm
- B. 0.05 mm
- C. 0.02 mm ✓ **Predicted answer**
- D. 0.1 mm

Why this answer? The standard least count of a vernier caliper is 0.02 mm (50-division vernier).

ed [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q9 (verified item — correct answer: 0.02 mm).

Question 65 Physics

What is the SI unit of force?

- A. Newton ✓ **Predicted answer**
- B. Joule
- C. Watt
- D. Pascal

Why this answer? The newton is the SI unit of force.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: SI units recur in this post's syllabus.

Question 66 Physics

What is the speed of light in a vacuum?

- A. 150,000 km per second
- B. 300,000 km per second ✓ **Predicted answer**
- C. 450,000 km per second
- D. 600,000 km per second

Why this answer? Light travels in a vacuum at about 300,000 km per second.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: light and speed recur in this post's syllabus.

Question 67 Physics

Which force pulls objects towards the Earth?

- A. Friction

- C. Gravity ✓ **Predicted answer**
- D. Inertia

Why this answer? Gravity is the force that pulls objects towards the Earth.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: forces recur in this post's syllabus.

Question 68 Physics

What is the SI unit of energy?

- A. Watt
- B. Newton
- C. Volt
- D. Joule ✓ **Predicted answer**

Why this answer? The joule is the SI unit of energy.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: SI units recur in this post's syllabus.

Question 69 Physics

Which colour of light has the longest wavelength?

- A. Violet
- B. Red ✓ **Predicted answer**
- C. Green
- D. Blue

Why this answer? Red light has the longest wavelength in the visible spectrum.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: light and colour recur in this post's syllabus.

70 Physics

Through which medium does sound travel fastest?

- A. Vacuum
- B. Air
- C. Solids ✓ **Predicted answer**
- D. Water

Why this answer? Sound travels fastest through solids, faster than through liquids or gases, and not at all through a vacuum.

Why predicted [C] — Syllabus anchor: syllabus anchor — Physics: sound recurs in this post's syllabus.

Question 71 Pakistan Studies

How many lines does Pakistan's national anthem, the Qaumi Tarana, contain?

- A. 10
- B. 20
- C. 25
- D. 15 ✓ **Predicted answer**

Why this answer? 15 is the number of lines in Pakistan's national anthem (Qaumi Tarana).

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q1 (verified item — correct answer: 15).

Question 72 Pakistan Studies

On which date did Pakistan come into being?

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

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

Why predicted [C] — Syllabus anchor: syllabus anchor — Pakistan Studies: the creation of Pakistan recurs in this post's syllabus.

Question 73 Pakistan Studies

Which city was the first capital of Pakistan?

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

Why this answer? Karachi was the first capital of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — Pakistan Studies: capitals of Pakistan recur in this post's syllabus.

Question 74 Pakistan Studies

In which year was the Lahore Resolution passed?

- A. 1935
- B. 1937
- C. 1942
- D. 1940 ✓ **Predicted answer**

Why this answer? The Lahore Resolution was passed in 1940.

Why predicted [C] — Syllabus anchor: syllabus anchor — Pakistan Studies: the Pakistan Movement recurs in this post's syllabus.

75 Pakistan Studies

What is the national language of Pakistan?

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

Why this answer? Urdu is the national language of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — Pakistan Studies: national symbols of Pakistan recur in this post's syllabus.

Question 76 Pakistan Studies

Which animal is the national animal of Pakistan?

- A. Snow leopard
- B. Markhor ✓ **Predicted answer**
- C. Indus dolphin
- D. Chinkara

Why this answer? The Markhor is the national animal of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — Pakistan Studies: national symbols of Pakistan recur in this post's syllabus.

Question 77 Sports

Which team lifted the Pakistan Super League trophy in 2019?

- A. Karachi Kings
- B. Peshawar Zalmi
- C. Islamabad United
- D. Quetta Gladiators ✓ **Predicted answer**

swer: Quetta Gladiators won the Pakistan Super League in 2019.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q13 (verified item — correct answer: Quetta Gladiators).

Question 78 Sports

Which team won the Cricket World Cup in 2019?

- A. England ✓ **Predicted answer**
- B. New Zealand
- C. Australia
- D. India

Why this answer? England won the Cricket World Cup in 2019.

Why predicted [C] — Syllabus anchor: syllabus anchor — Sports: cricket world cups recur in this post's syllabus.

Question 79 Sports

How many players of a hockey team are on the field at one time?

- A. 9
- B. 11 ✓ **Predicted answer**
- C. 13
- D. 7

Why this answer? A hockey team has 11 players on the field at one time.

Why predicted [C] — Syllabus anchor: syllabus anchor — Sports: team games recur in this post's syllabus.

Question 80 Sports

After how many years are the Olympic Games held?

-) years
- B. Three years
- C. Four years ✓ **Predicted answer**
- D. Five years

Why this answer? The Olympic Games are held every four years.

Why predicted [C] — Syllabus anchor: syllabus anchor — Sports: the Olympic Games recur in this post's syllabus.

Question 81 Sports

Which is the national game of Pakistan?

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

Why this answer? Field hockey is the national game of Pakistan.

Why predicted [C] — Syllabus anchor: syllabus anchor — Sports: national games recur in this post's syllabus.

Question 82 Sports

In cricket, how many runs are scored for a boundary hit along the ground?

- A. Two
- B. Four ✓ **Predicted answer**
- C. Six
- D. Eight

Why this answer? A boundary hit along the ground scores four runs in cricket.

Why predicted [C] — Syllabus anchor: syllabus anchor — Sports: cricket rules recur in

Question 83 Geography

In which region of Pakistan does the Neelam Valley lie?

- A. Abbottabad
- B. Swat
- C. Azad Kashmir ✓ **Predicted answer**
- D. Muzaffarabad

Why this answer? Neelam Valley is in Azad Kashmir.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q22 (verified item — correct answer: Azad Kashmir).

Question 84 Geography

Which country in the world has the longest coastline?

- A. Australia
- B. Malaysia
- C. None of these
- D. Canada ✓ **Predicted answer**

Why this answer? Canada has the longest coastline in the world.

Why predicted [B] — Verified fact, predicted to recur: PPSC-2024-BIO-MEDICAL-ENGINEER-21M2024-LABOUR-HR Q23 (verified item — correct answer: Canada).

Question 85 Geography

Which is the largest continent in the world?

- A. Africa
- B. Asia ✓ **Predicted answer**

- D. North America

Why this answer? Asia is the largest continent in the world.

Why predicted [C] — Syllabus anchor: syllabus anchor — Geography: continents recur in this post's syllabus.

Question 86 Geography

Which is the longest river in the world?

- A. Amazon
- B. Yangtze
- C. Nile ✓ **Predicted answer**
- D. Indus

Why this answer? The Nile is the longest river in the world.

Why predicted [C] — Syllabus anchor: syllabus anchor — Geography: world rivers recur in this post's syllabus.

Question 87 Geography

What is the capital of Australia?

- A. Sydney
- B. Melbourne
- C. Perth
- D. Canberra ✓ **Predicted answer**

Why this answer? Canberra is the capital of Australia.

Why predicted [C] — Syllabus anchor: syllabus anchor — Geography: world capitals recur in this post's syllabus.

88 Geography

Which is the smallest continent in the world?

- A. Australia ✓ **Predicted answer**
- B. Europe
- C. Antarctica
- D. South America

Why this answer? Australia is the smallest continent in the world.

Why predicted [C] — Syllabus anchor: syllabus anchor — Geography: continents recur in this post's syllabus.

Question 89 Mathematics

What is 15 per cent of 200?

- A. 20
- B. 25
- C. 30 ✓ **Predicted answer**
- D. 35

Why this answer? 15 per cent of 200 is 30.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: percentages recur in this post's syllabus.

Question 90 Mathematics

What is the square root of 144?

- A. 11
- B. 13
- C. 14
- D. 12 ✓ **Predicted answer**

swer? The square root of 144 is 12, because 12 multiplied by 12 is 144.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: square roots recur in this post's syllabus.

Question 91 Mathematics

If x + 7 = 15, what is x?

- A. 8 ✓ **Predicted answer**
- B. 7
- C. 9
- D. 22

Why this answer? If x + 7 = 15, then x = 15 - 7 = 8.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: simple equations recur in this post's syllabus.

Question 92 Mathematics

What is 12 multiplied by 8?

- A. 84
- B. 96 ✓ **Predicted answer**
- C. 108
- D. 88

Why this answer? 12 multiplied by 8 is 96.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: multiplication recurs in this post's syllabus.

Question 93 Mathematics

What is the next number in the series 2, 4, 8, 16?

- B. 24
- C. 30
- D. 32 ✓ **Predicted answer**

Why this answer? Each number in the series doubles, so after 16 comes 32.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: number series recur in this post's syllabus.

Question 94 Mathematics

What is 100 divided by 4?

- A. 25 ✓ **Predicted answer**
- B. 20
- C. 30
- D. 40

Why this answer? 100 divided by 4 is 25.

Why predicted [C] — Syllabus anchor: syllabus anchor — Mathematics: division recurs in this post's syllabus.

Question 95 English

Which word is a synonym of "happy"?

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

Why this answer? Joyful means the same as happy.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: synonyms recur in this

Question 96 English

Which word is an antonym of "brave"?

- A. Bold
- B. Fearless
- C. Cowardly ✓ **Predicted answer**
- D. Strong

Why this answer? Cowardly is the opposite of brave.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: antonyms recur in this post's syllabus.

Question 97 English

Choose the correctly spelt word.

- A. Necessary ✓ **Predicted answer**
- B. Neccessary
- C. Necesary
- D. Neccesary

Why this answer? Necessary is the correct spelling.

Why predicted [C] — Syllabus anchor: syllabus anchor — English: spelling recurs in this post's syllabus.

Question 98 Islamiat

To whom was the Holy Quran revealed?

- A. Hazrat Musa (AS)
- B. Hazrat Muhammad (PBUH) ✓ **Predicted answer**

rat Isa (AS)

- D. Hazrat Ibrahim (AS)

Why this answer? The Holy Quran was revealed to Prophet Muhammad (PBUH).

Why predicted [C] — Syllabus anchor: syllabus anchor — Islamiat: revelation of the Holy Quran recurs in this post's syllabus.

Question 99 Islamiat

How many prayers are obligatory for a Muslim every day?

- A. Three
- B. Four
- C. Five ✓ **Predicted answer**
- D. Six

Why this answer? Five prayers are obligatory for a Muslim every day.

Why predicted [C] — Syllabus anchor: syllabus anchor — Islamiat: the five daily prayers recur in this post's syllabus.

Question 100 Islamiat

Which is the first month of the Islamic calendar?

- A. Ramadan
- B. Shawwal
- C. Safar
- D. Muharram ✓ **Predicted answer**

Why this answer? Muharram is the first month of the Islamic calendar.

Why predicted [C] — Syllabus anchor: syllabus anchor — Islamiat: the Islamic calendar recurs in this post's syllabus.

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