ZTBL OG III (Officer Grade III) — 2020 · Solved Past Paper

Body: Open Testing Service (OTS) · **Post:** ZTBL OG III (Officer Grade III) · **Year:** 2020 · **Questions:** 72 in the original paper — **72 solved and verified**, none excluded · **Price:** Free

> **How to use this paper:** each question shows the stem, the four options, and the correct answer. Click “Why each option?” under a question to see all four options explained — one question teaches four topics. General Knowledge answers are as of the 2020 sitting.

Source note: TestPointPK solved past paper: OG III (ZTBL) 29-11-2020 (8 paginated pages carry questions, 10 per page except page 8 with 2). Stems, Urdu lines and options and the site-marked key per question as captured from the page HTML (correct option carries class=correct), 15 Nov 2026. Page 1 carries no presented heading; the title is taken from the page slug and title. 0 site-key corrections, 0 PICK-ONE, 0 DEFECTIVE. Best-fit disclosed (site key kept): Q20 D Allama Iqbal. 31 questions carry a Urdu line; 1 has five options as printed (Q25). Dedup 15 Nov 2026: CLEAN — live index 929 papers: no ots-ztbl-og-iii-2020-11-29 paper_id in the index; exact + first-8-words + format-tolerant fuzzy vs the live index: at most 2 stems shared with any one live paper. Letter 37bhd verified free at build time (no 37bhd in configs, artifact dirs, knowledge directory, batch records or the live index).

Question 1 Mathematics

The average of the first five multiples of 9 is _____?

- A. 20
- B. 27 ✓ **Correct answer**
- C. 28
- D. 30

e average of 9, 18, 27, 36, 45 is 27.

B. Correct: (9 + 18 + 27 + 36 + 45) / 5 = 135 / 5 = 27.

C. Wrong: the average is 27.

D. Wrong: the average is 27.

Question 2 Pakistan Studies

پاکستان کا پہلا آئین کب نافذ ہوا؟ ?When first constitution of Pakistan was enforced

- A. 8th June 1956
- B. 23rd March 1956 ✓ **Correct answer**
- C. 14th August 1956
- D. 25th December 1956

A. Wrong: the first constitution was enforced on 23 March 1956.

B. Correct: the first constitution of Pakistan was enforced on 23 March 1956.

C. Wrong: the date is 23 March 1956.

D. Wrong: the date is 23 March 1956.

Question 3 Mathematics

Which number will come next? 3, 5, 7, 10, 12, 14, 24, 26, ____?

- A. 52
- B. 30
- C. 28 ✓ **Correct answer**
- D. 48

A. Wrong: the next number is 28.

B. Wrong: the next number is 28.

The series runs in groups (3, 5, 7), (10, 12, 14), (24, 26, 28) — each group rises by 2 and the group starts rise by 7 then 14 — so the next number is 28.

D. Wrong: the next number is 28.

Question 4 Islamic Studies

اسلام کے بنیادی ارکان کتنے ہیں؟ ?How many basic pillars of Islam are there

- A. 4
- B. 6
- C. 5 ✓ **Correct answer**
- D. 7

A. Wrong: there are 5 basic pillars of Islam.

B. Wrong: there are 5 pillars.

C. Correct: there are 5 basic pillars of Islam.

D. Wrong: there are 5 pillars.

Question 5 Computer

ایم ایس ورڈ دستاویزات 2007 اور ?What is the Extension of MS Word documents 2007 and later

اس کے بعد کی توسیع کیا ہے؟

- A. .docs
- B. .dos
- C. .docx ✓ **Correct answer**
- D. None of the above

A. Wrong: the extension is .docx.

B. Wrong: the extension is .docx.

The extension of MS Word documents 2007 and later is .docx.

D. Wrong: option C is correct.

Question 6 Mathematics

The number whose 3% is 60, is _____?

- A. 2000 ✓ **Correct answer**
- B. 3000
- C. 6000
- D. None of these

A. Correct: 60 / 0.03 = 2,000.

B. Wrong: 60 / 0.03 = 2,000.

C. Wrong: 60 / 0.03 = 2,000.

D. Wrong: option A is correct.

Question 7 Islamic Studies

قرآن مجید میں زکوٰۃ ?How many times the word “Zakat” came together with “Salat” in Quran

اور نماز (صلاۃ) کا ذکر ایک ساتھ کتنی بار آیا ہے؟

- A. 20 times
- B. 32 times ✓ **Correct answer**
- C. 40 times
- D. 42 times

A. Wrong: the word Zakat came together with Salat 32 times.

B. Correct: the word 'Zakat' came together with 'Salat' in the Quran 32 times.

C. Wrong: the count is 32 times.

e count is 32 times.

Question 8 Computer

کون سا کی بورڈ شارٹ کٹ اٹالک متن کو منتخب کرتا ہے؟ ?Which keyboard shortcut Italic selected text

- A. Ctrl+I ✓ **Correct answer**
- B. Alt+I
- C. File/Format/Bold
- D. None of the above

A. Correct: Ctrl+I is the keyboard shortcut to italicise selected text.

B. Wrong: the shortcut is Ctrl+I.

C. Wrong: the shortcut is Ctrl+I.

D. Wrong: option A is correct.

Question 9 Computer

ایم ایس ورڈ میں ?What is the maximum number of columns that can be inserted in MS Word

زیادہ سے زیادہ کتنے کالم داخل کیے جا سکتے ہیں؟

- A. 35
- B. 15
- C. 63 ✓ **Correct answer**
- D. 65

A. Wrong: the maximum is 63 columns.

B. Wrong: the maximum is 63 columns.

C. Correct: the maximum number of columns that can be inserted in MS Word is 63.

D. Wrong: the maximum is 63 columns.

10 General Knowledge

دنیا میں سب سے زیادہ گندم پیدا کرنے ?_____ The largest wheat producing country in the world is

والا ملک کونسا ہے؟

- A. USA
- B. India
- C. Pakistan
- D. China ✓ **Correct answer**

A. Wrong: the largest wheat-producing country is China.

B. Wrong: the largest producer is China.

C. Wrong: the largest producer is China.

D. Correct: the largest wheat-producing country in the world is China.

Question 11 Islamic Studies

بچوں میں سب سے پہلے اسلام کس نے قبول کیا؟ ?Who accepted Islam first in Children

- A. Hazrat Usman (RA)
- B. Hazrat Umar (RA)
- C. Hazrat Ali (RA) ✓ **Correct answer**
- D. Hazrat Bilal (RA)

A. Wrong: the first child to accept Islam was Ali.

B. Wrong: the first child was Ali.

C. Correct: Hazrat Ali (RA) accepted Islam first among children.

D. Wrong: the first child was Ali.

12 General Knowledge

When was ASEAN (Association of Southeast Asian Nations) founded? آسیان (جنوب مشرقی ایشیائی ممالک کی تنظیم) کب قائم ہوئی؟

- A. 8th August 1968
- B. 8th August 1967 ✓ **Correct answer**
- C. 8th August 1969
- D. None of the above

A. Wrong: ASEAN was founded on 8 August 1967.

B. Correct: ASEAN (Association of Southeast Asian Nations) was founded on 8 August 1967.

C. Wrong: the date is 8 August 1967.

D. Wrong: option B is correct.

Question 13 Agriculture

Which of the following is a Rabi Crop? ربیع کی فصل مندرجہ ذیل میں سے کون سی ہے؟

- A. Cotton
- B. Mustard ✓ **Correct answer**
- C. Maize
- D. Rice

A. Wrong: cotton is a Kharif crop.

B. Correct: mustard is a Rabi crop.

C. Wrong: maize is a Kharif crop.

D. Wrong: rice is a Kharif crop.

14 Pakistan Studies

پاکستان کو سب سے پہلے کس ملک نے قبول کیا؟ ?Which country accepted Pakistan first

- A. Iran ✓ **Correct answer**
- B. Iraq
- C. Indonesia
- D. China

A. Correct: Iran was the first country to accept (recognise) Pakistan.

B. Wrong: Iran recognised Pakistan first.

C. Wrong: Iran recognised Pakistan first.

D. Wrong: Iran recognised Pakistan first.

Question 15 Pakistan Studies

انیس سو اناسی میں ?Which Pakistani Scientist was awarded Nobel Prize for physics in 1979

کس پاکستانی سائنسدان کو فزکس کا نوبل انعام دیا گیا؟

- A. Dr.Abdul Qadeer Khan
- B. Dr Muneer Ahmad
- C. Dr Samar Mubarak
- D. Dr Abdus Salam ✓ **Correct answer**

A. Wrong: the Nobel laureate was Abdus Salam.

B. Wrong: the laureate was Abdus Salam.

C. Wrong: the laureate was Abdus Salam.

D. Correct: Dr Abdus Salam was awarded the Nobel Prize for Physics in 1979.

Question 16 Mathematics

Ahmed's age after 15 years will be 5 times his age 5 years back. What is the present age of Ahmed?

- A. 15
- B. 14
- C. 12
- D. 10 ✓ **Correct answer**

A. Wrong: Ahmed's present age is 10.

B. Wrong: the present age is 10.

C. Wrong: the present age is 10.

D. Correct: if Ahmed is x now, x + 15 = 5(x - 5), so 4x = 40 and x = 10.

Question 17 Islamic Studies

زکوٰۃ کے مسئلہ پر کس صحابی نے جہاد کیا؟ ?Which Sahabi did Jehad on the issue of Zakat

- A. Hazrat Abu Bakar ✓ **Correct answer**
- B. Hazrat Usman
- C. Hazrat Ali
- D. None of the above

A. Correct: Hazrat Abu Bakr fought the wars (Ridda) on the issue of Zakat.

B. Wrong: Abu Bakr fought on the Zakat issue.

C. Wrong: Abu Bakr fought on the Zakat issue.

D. Wrong: option A is correct.

18 Pakistan Studies

پہلی گول میز کانفرنس کب تک جاری رہی :The First Round Table Conference lasted from

- A. 12th Aug 1930 to 19th Jan 1931
- B. 12th Sep to 19th Jan 1931
- C. 12th Oct 1930 to 19th Jan 1931
- D. 12th Nov 1930 to 19th Jan 1931 ✓ **Correct answer**

A. Wrong: the First Round Table Conference ran from 12 November 1930.

B. Wrong: it began on 12 November 1930.

C. Wrong: it began on 12 November 1930.

D. Correct: the First Round Table Conference lasted from 12 November 1930 to 19 January 1931.

Question 19 Agriculture

گلی کی فصل کا مطلب ہے :Alley cropping' means

- A. Growing of pastures in between two widely spaced rows of fast growing trees
- B. Growing of field crops in between two widely spaced rows of fast growing trees ✓ **Correct answer**
- C. Growing of only short duration crops in between two widely spaced rows of fast growing trees
- D. Growing of only fooder crops in between two widely spaced rows of first growing trees

A. Wrong: alley cropping grows field crops between the rows.

B. Correct: alley cropping means growing field crops between two widely spaced rows of fast-growing trees.

C. Wrong: it is field crops generally.

is field crops between fast-growing trees.

Question 20 Pakistan Studies

مسلمانوں کی سیاست میں شرکت کی حمایت کس نے ?Who supported Muslim-Participation in politics کی؟

- A. Wiqar-ul-Mulk
- B. Mohsin-ul-Mulk
- C. Maulana Zafar Ali Khan
- D. Allama Iqbal ✓ **Correct answer**

A. Wrong: the bank files Allama Iqbal.

B. Wrong: the bank files Allama Iqbal.

C. Wrong: the bank files Allama Iqbal.

D. Correct as filed: Allama Iqbal is filed as the one who supported Muslim participation in politics (see Verification Summary).

Question 21 Pakistan Studies

ایم اے او سکول کو کس سال ?In which year MAO School was upgraded to the status of college کالج کا درجہ دیا گیا؟

- A. 1878
- B. 1877 ✓ **Correct answer**
- C. 1879
- D. 1880

A. Wrong: MAO School was upgraded to a college in 1877.

B. Correct: MAO School was upgraded to the status of a college in 1877.

e year is 1877.

D. Wrong: the year is 1877.

Question 22 Islamic Studies

حضور نبی اکرم صلی اللہ علیہ وآلہ وسلم کی :The Holy Prophet (PBUH) passed away in the age of

وفات . . . . .۔ سال کی عمر میں ہوئی

- A. 60
- B. 61
- C. 62
- D. 63 ✓ **Correct answer**

A. Wrong: the Holy Prophet passed away at 63.

B. Wrong: the age was 63.

C. Wrong: the age was 63.

D. Correct: the Holy Prophet (PBUH) passed away at the age of 63.

Question 23 Computer

You need to jump to the next column breaking current column right at the cursor

position. How can you break column ? آپ کو کرسر کی پوزیشن پر موجودہ کالم کو توڑتے ہوئے اگلے کالم پر

جانے کی ضرورت ہے۔ آپ کالم کو کیسے توڑ سکتے ہیں؟

- A. Pressing Ctrl+Shift+Enter ✓ **Correct answer**
- B. Pressing Alt+Shift+Enter
- C. Break command from Insert menu
- D. Both b and c

A. Correct: Ctrl+Shift+Enter inserts a column break at the cursor position.

e column break shortcut is Ctrl+Shift+Enter.

C. Wrong: the shortcut is Ctrl+Shift+Enter.

D. Wrong: option A is correct.

Question 24 Islamic Studies

?Who said that " There is no difference between Salat and Zakat کس نے کہا کہ نماز اور زکوٰۃ میں

کوئی فرق نہیں؟

- A. Hazrat Abu Bakar ✓ **Correct answer**
- B. Hazrat Ali
- C. Hazrat Umer
- D. Hazrat Awais Qarni

A. Correct: Hazrat Abu Bakr said there is no difference between Salat and Zakat.

B. Wrong: Abu Bakr said it.

C. Wrong: Abu Bakr said it.

D. Wrong: Abu Bakr said it.

Question 25 General Knowledge

?Which is the national bird of China چین کا قومی پرندہ کون سا ہے؟

- A. Parrot
- B. Robin
- C. Owl
- D. Red-Crowned Crane ✓ **Correct answer**
- E. None of these

A. Wrong: the national bird of China is the red-crowned crane.

e national bird is the red-crowned crane.

C. Wrong: the national bird is the red-crowned crane.

D. Correct: the red-crowned crane is the national bird of China.

E. Wrong: option D is correct.

Question 26 Islamic Studies

پہلی مسلمان خاتون کا نام کیا تھا؟ ?What was the name of first woman Muslim

- A. Hazrat Khdija ✓ **Correct answer**
- B. Hazrat Zainab
- C. Hazrat Fatima
- D. Hazrat Ayesha

A. Correct: Hazrat Khadija was the first Muslim woman (as printed, 'Khdija').

B. Wrong: the first Muslim woman was Khadija.

C. Wrong: the first Muslim woman was Khadija.

D. Wrong: the first Muslim woman was Khadija.

Question 27 Islamic Studies

اسلام کا پانچواں ستون ہے؟ ?5th pillar of Islam is

- A. Namaz
- B. Roza
- C. Hajj ✓ **Correct answer**
- D. Zajat

A. Wrong: the fifth pillar is Hajj.

e fifth pillar is Hajj.

C. Correct: the fifth pillar of Islam is Hajj.

D. Wrong: the fifth pillar is Hajj.

Question 28 English

The Pilot was a _____ in the Air Force.

- A. Leutenant
- B. Lieutenant ✓ **Correct answer**
- C. Leutienanat
- D. Lutenanat

A. Wrong: the spelling is 'Lieutenant'.

B. Correct: 'Lieutenant' is the correct spelling.

C. Wrong: the spelling is 'Lieutenant'.

D. Wrong: the spelling is 'Lieutenant'.

Question 29 Islamic Studies

اسلام کے کس ستون کو زرہ قرار دیا گیا ہے؟ ?Which pillar of Islam is declared as armour

- A. Salat
- B. Soam ✓ **Correct answer**
- C. Zakat
- D. Hajj

A. Wrong: fasting is declared the armour.

B. Correct: Soam (fasting) is declared as armour (a shield).

C. Wrong: fasting is the armour.

sting is the armour.

Question 30 Mathematics

By selling a bicycle for Rs. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- A. Rs. 2600
- B. Rs. 2700 ✓ **Correct answer**
- C. Rs. 2800
- D. Rs. 3000

A. Wrong: the cost price is 2,500, so at 8% profit the selling price is 2,700.

B. Correct: cost price = 2,850 / 1.14 = 2,500, so at 8% profit the selling price = 2,500 x 1.08 = 2,700.

C. Wrong: the selling price is 2,700.

D. Wrong: the selling price is 2,700.

Question 31 Science

Percentage of protein in fish is:

- A. Less than 30 ✓ **Correct answer**
- B. 30 – 35
- C. 35 – 40
- D. None of the above

A. Correct: the percentage of protein in fish is less than 30 (about 18–25%).

B. Wrong: fish protein is less than 30%.

C. Wrong: fish protein is less than 30%.

D. Wrong: option A is correct.

32 English

The word "catalogue" is a/an:

- A. Pronoun
- B. Verb
- C. Noun ✓ **Correct answer**
- D. Article

A. Wrong: 'catalogue' is a noun.

B. Wrong: 'catalogue' is a noun.

C. Correct: the word 'catalogue' is a noun.

D. Wrong: 'catalogue' is a noun.

Question 33 English

Three years have elapsed since I had gone to visit my aunt in the city. (which part has an error)

- A. visit my aunt in the city
- B. since I had gone to ✓ **Correct answer**
- C. Three years have elapsed
- D. No error

A. Wrong: the error is in 'since I had gone to'.

B. Correct: the error is here — after 'since', the simple past 'went' is needed, not 'had gone'.

C. Wrong: this part has no error.

D. Wrong: there is an error in part B.

34 Finance

In capital budgeting, term of bond which has great sensitivity to interest rates is

- A. long-term bonds ✓ **Correct answer**
- B. short-term bonds
- C. internal term bonds
- D. external term bonds

A. Correct: long-term bonds have the greatest sensitivity to interest rates.

B. Wrong: long-term bonds are the most sensitive.

C. Wrong: long-term bonds are the most sensitive.

D. Wrong: long-term bonds are the most sensitive.

Question 35 Finance

Cost of Goods sold is classified as which type of account?

- A. Asset
- B. Liability
- C. Revenue
- D. Expense ✓ **Correct answer**

A. Wrong: cost of goods sold is an expense.

B. Wrong: cost of goods sold is an expense.

C. Wrong: cost of goods sold is an expense.

D. Correct: cost of goods sold is classified as an expense account.

Question 36 Computer

What will be the use of Ctrl + J ?

- B. Insert Hyperlink
- C. Align Justify ✓ **Correct answer**
- D. Search file

A. Wrong: Ctrl+J is Align Justify.

B. Wrong: Ctrl+J is Align Justify.

C. Correct: Ctrl+J is used to align (justify) text.

D. Wrong: Ctrl+J is Align Justify.

Question 37 English

Find out the misspelled word.

- A. Jockey
- B. Equestrian
- C. Maneuver
- D. no mistakes ✓ **Correct answer**

A. Wrong: 'Jockey' is spelled correctly.

B. Wrong: 'Equestrian' is spelled correctly.

C. Wrong: 'Maneuver' is spelled correctly.

D. Correct: none of the words is misspelled.

Question 38 English

Find out the word that misspelled.

- A. announcement
- B. advisement
- C. description

mistakes ✓ **Correct answer**

A. Wrong: 'announcement' is spelled correctly.

B. Wrong: 'advisement' is spelled correctly.

C. Wrong: 'description' is spelled correctly.

D. Correct: none of the words is misspelled.

Question 39 English

Find out the word that misspelled..

- A. Sincerely
- B. Faithfully
- C. Reliability
- D. no mistakes ✓ **Correct answer**

A. Wrong: 'Sincerely' is spelled correctly.

B. Wrong: 'Faithfully' is spelled correctly.

C. Wrong: 'Reliability' is spelled correctly.

D. Correct: none of the words is misspelled.

Question 40 English

Find out the word that misspelled word from the following.

- A. Bookkeeping
- B. Accounting
- C. Bankrupsy ✓ **Correct answer**
- D. None of the above

A. Wrong: 'Bookkeeping' is spelled correctly.

ccounting' is spelled correctly.

C. Correct: 'Bankrupsy' is misspelled — the correct spelling is 'Bankruptcy'.

D. Wrong: option C is misspelled.

Question 41 English

enthusiastic : blase :: upright : ?

- A. Deplore
- B. prone ✓ **Correct answer**
- C. unlikely
- D. passionate

A. Wrong: the antonym of 'upright' is 'prone'.

B. Correct: enthusiastic is to blase as upright is to prone — antonym pairs (enthusiastic/unimpressed, upright/lying flat).

C. Wrong: 'unlikely' is not the antonym of 'upright'.

D. Wrong: 'passionate' is a synonym of 'enthusiastic', not the antonym of 'upright'.

Question 42 English

Broadcast : Obscure, Welcome:_____

- A. Prostrate
- B. Promontory
- C. Strengthen
- D. Eject ✓ **Correct answer**

A. Wrong: the antonym of 'Welcome' is 'Eject'.

B. Wrong: a promontory is a headland.

:rengthen' is not the antonym of 'Welcome'.

D. Correct: broadcast is to obscure as welcome is to eject — antonym pairs (to make public/to hide, to admit/to expel).

Question 43 Mathematics

The average temperature for Wednesday, Thursday and Friday was 40°C. The average for Thursday, Friday and Saturday was 41° C. If temperature on Saturday was 42° C, what was the temperature on Wednesday?

- A. 39° C ✓ **Correct answer**
- B. 44° C
- C. 38° C
- D. 41° C

A. Correct: Wednesday + Thursday + Friday = 120, Thursday + Friday + Saturday = 123, and Saturday = 42, so Thursday + Friday = 81 and Wednesday = 120 - 81 = 39.

B. Wrong: Wednesday was 39°C.

C. Wrong: Wednesday was 39°C.

D. Wrong: Wednesday was 39°C.

Question 44 English

"Kindly Choose the option that best completes the comparison. Traitor : deserter :: renegade :

- A. diehard
- B. driver
- C. loyalist
- D. insurgent ✓ **Correct answer**

A. Wrong: a renegade is an insurgent, not a diehard.

renegade is an insurgent.

C. Wrong: a loyalist is the opposite of a renegade.

D. Correct: traitor is to deserter as renegade is to insurgent — synonyms.

Question 45 Science

Permanent hardness of water, due to sulphates of the metal, can be destroyed by the use of: دھات کے سلفیٹ کی وجہ سے پانی کی مستقل سختی کو ان کے ..... استعمال سے تباہ کیا جا سکتا ہے

- A. Nitrates
- B. Zeolites ✓ **Correct answer**
- C. Sulphonates
- D. None of these

A. Wrong: zeolites remove permanent hardness.

B. Correct: permanent hardness of water due to sulphates can be destroyed by the use of zeolites.

C. Wrong: zeolites remove permanent hardness.

D. Wrong: option B is correct.

Question 46 English

Person who believes that God is every thing and everything is god

- A. Agnostic
- B. Theist
- C. Pantheist ✓ **Correct answer**
- D. Pantechnicon

A. Wrong: an agnostic is unsure whether God exists.

theist believes in a personal God.

C. Correct: a person who believes God is everything and everything is God is a pantheist.

D. Wrong: a pantechnicon is a removal van.

Question 47 Mathematics

Q. Mr. Rehan ordered a car worth Rs. 6,00000 and was given a discount. Given that he paid Rs. 5,70000 for his new car. Calculate the percentage discount he received?

- A. 5% ✓ **Correct answer**
- B. 7%
- C. 8%
- D. 11%

A. Correct: the discount is (600,000 - 570,000) / 600,000 = 30,000 / 600,000 = 5%.

B. Wrong: the discount is 5%.

C. Wrong: the discount is 5%.

D. Wrong: the discount is 5%.

Question 48 English

Some people say that _____ is not a true science.

- A. Psyocology
- B. psychology ✓ **Correct answer**
- C. psychollogy
- D. psychologgy

A. Wrong: the correct spelling is 'psychology'.

B. Correct: 'psychology' is the correctly spelled word.

e spelling is 'psychology'.

D. Wrong: the spelling is 'psychology'.

Question 49 English

Spelling correction Renaissance

- A. Ranaissance
- B. Renassancce
- C. Renaissance ✓ **Correct answer**
- D. Rinaissance

A. Wrong: the spelling is 'Renaissance'.

B. Wrong: the spelling is 'Renaissance'.

C. Correct: 'Renaissance' is the correct spelling.

D. Wrong: the spelling is 'Renaissance'.

Question 50 Science

ایک ایٹم میں ایک الیکٹران The location and energy of an electron in an atom can be specified by

کی جگہ اور توانائی کی طرف سے وضاحت کیسےکی جا سکتی ہے

- A. Atomic number
- B. Atomic mass
- C. Quantum numbers ✓ **Correct answer**
- D. None of these

A. Wrong: the location and energy of an electron are specified by quantum numbers.

B. Wrong: they are specified by quantum numbers.

C. Correct: the location and energy of an electron in an atom can be specified by quantum

D. Wrong: option C is correct.

Question 51 English

The paramedics attempted to ---------- the victim.

- A. Stabilize ✓ **Correct answer**
- B. Stablize
- C. Stablieze
- D. stabalize

A. Correct: 'Stabilize' is the correct spelling.

B. Wrong: the spelling is 'Stabilize'.

C. Wrong: the spelling is 'Stabilize'.

D. Wrong: the spelling is 'Stabilize'.

Question 52 Mathematics

The price of a book increases from Rs.120 to Rs.150. What is the percentage increases?

- A. 35%
- B. 25% ✓ **Correct answer**
- C. 115%
- D. 25.25.1%

A. Wrong: the increase is (150 - 120) / 120 = 25%.

B. Correct: the price rose from 120 to 150, an increase of 25%.

C. Wrong: the increase is 25%.

D. Wrong: the increase is 25%.

53 English

Involvement: Aloofness, clumsiness:_____

- A. Finesse ✓ **Correct answer**
- B. Indecision
- C. Authority
- D. Awkwardness

A. Correct: involvement is to aloofness as clumsiness is to finesse — antonym pairs.

B. Wrong: 'Indecision' is not the antonym of 'clumsiness'.

C. Wrong: 'Authority' is not the antonym of 'clumsiness'.

D. Wrong: 'Awkwardness' is a synonym of 'clumsiness'.

Question 54 Mathematics

In the exam 45% students failed and 550 students were successful. The total number of students who appeared in the exam were:

- A. 1000 ✓ **Correct answer**
- B. 900
- C. 1500
- D. 800

A. Correct: 550 students passed, i.e. 55%, so the total is 550 / 0.55 = 1,000.

B. Wrong: the total is 1,000.

C. Wrong: the total is 1,000.

D. Wrong: the total is 1,000.

55 Finance

In independent projects evaluation, results of internal rate of return and net present value lead to

- A. cash flow decision
- B. cost decision
- C. same decisions ✓ **Correct answer**
- D. different decisions

A. Wrong: for independent projects IRR and NPV lead to the same decisions.

B. Wrong: they lead to the same decisions.

C. Correct: in independent project evaluation, IRR and NPV lead to the same decisions.

D. Wrong: they lead to the same decisions.

Question 56 Finance

If the Gross profit is Rs. 5,000 and the net profit is 25% of the Gross profit. The expenses?

- A. Rs. 3,750 ✓ **Correct answer**
- B. Rs. 1,250
- C. Rs. 4,150
- D. Rs. 6,250

A. Correct: net profit is 25% of 5,000 = 1,250, so expenses = 5,000 - 1,250 = 3,750.

B. Wrong: 1,250 is the net profit, not the expenses.

C. Wrong: the expenses are 3,750.

D. Wrong: the expenses are 3,750.

57 Science

If force is expressed in Newton and the distance in metre, then the work done is expressed in

- A. Joule ✓ **Correct answer**
- B. Kg wt m
- C. Kg wt
- D. Watt

A. Correct: force in newtons times distance in metres gives work in joules.

B. Wrong: work is expressed in joules.

C. Wrong: work is expressed in joules.

D. Wrong: the watt is the unit of power.

Question 58 Mathematics

If a man were to sell his chair for Rs. 720, he would lose 25%. To gain 25% he should sell it for:

- A. Rs. 1,200 ✓ **Correct answer**
- B. Rs. 1,000
- C. Rs. 960
- D. Rs. 900

A. Correct: selling at 720 with a 25% loss means cost price = 720 / 0.75 = 960, so to gain 25% he must sell at 960 x 1.25 = 1,200.

B. Wrong: the selling price is 1,200.

C. Wrong: 960 is the cost price.

D. Wrong: the selling price is 1,200.

59 Finance

Which of the following product costs is both a prime cost and conversion cost?

- A. Direct labor ✓ **Correct answer**
- B. Manufacturing overhead
- C. Indirect material
- D. All of the above

A. Correct: direct labour is both a prime cost and a conversion cost.

B. Wrong: overhead is a conversion cost only.

C. Wrong: indirect material is neither a prime cost nor a conversion cost on its own.

D. Wrong: only direct labour is both.

Question 60 Agriculture

?Which One Of The Following Seed Rate (Kg/Ha) Is Not Correctly Matched With Crop

مندرجہ ذیل میں سے کون سا بیج کی شرح (کلوگرام/ہیکٹر) فصل کے ساتھ صحیح طور پر میل نہیں کھاتا؟

- A. Wheat = 100
- B. Urd = 20
- C. Maize = 18
- D. Mustard = 20 ✓ **Correct answer**

A. Wrong: wheat at 100 kg/ha is correctly matched.

B. Wrong: urd at 20 kg/ha is correctly matched.

C. Wrong: maize at 18 kg/ha is correctly matched.

D. Correct: mustard at 20 kg/ha is NOT correctly matched — the mustard seed rate is about 5–7 kg/ha.

61 Agriculture

Layering is useful for propagation of: تہہ بندی کن کے پھیلاؤ کے لیے مفید ہے

- A. Rose ✓ **Correct answer**
- B. Garlic
- C. Lemon
- D. Sugarcane

A. Correct: layering is useful for the propagation of rose.

B. Wrong: garlic is propagated by cloves.

C. Wrong: layering is filed for rose.

D. Wrong: sugarcane is propagated by setts.

Question 62 Agriculture

Which type of N-fertilizer is suitable for water-logged soil? کون سی قسم کی این کھاد پانی سے بھری مٹی کے لیے موزوں ہے؟

- A. zinc phosphate
- B. Ammonium sulfate ✓ **Correct answer**
- C. Calcium
- D. None of the above

A. Wrong: ammonium sulfate is suitable for water-logged soil.

B. Correct: ammonium sulfate is the nitrogen fertilizer suitable for water-logged soil.

C. Wrong: calcium is not a nitrogen fertilizer.

D. Wrong: option B is correct.

63 Agriculture

The term soil impoverishment relates to which one of the following? مٹی کی غربت سے کیا مراد ہے؟

- A. Soil erosion
- B. Soil deposition
- C. Soil getting very deficient in plant nutrients ✓ **Correct answer**
- D. Soil getting enriched with plant nutrients

A. Wrong: soil impoverishment is the loss of plant nutrients.

B. Wrong: soil impoverishment is the loss of plant nutrients.

C. Correct: soil impoverishment relates to soil getting very deficient in plant nutrients.

D. Wrong: that is the opposite of impoverishment.

Question 64 Finance

A point where profile of net present value crosses horizontal axis at plotted graph indicates project

- A. Costs
- B. cash flows
- C. internal rate of return ✓ **Correct answer**
- D. external rate of return

A. Wrong: the crossing point indicates the internal rate of return.

B. Wrong: the crossing point indicates the IRR.

C. Correct: the point where the NPV profile crosses the horizontal axis indicates the internal rate of return.

D. Wrong: the crossing point is the IRR.

65 Finance

Graph which is plotted for projected net present value and capital rates is called

- A. net loss profile
- B. net gain profile
- C. net future value profile
- D. net present value profile ✓ **Correct answer**

A. Wrong: the graph is called the NPV profile.

B. Wrong: the graph is called the NPV profile.

C. Wrong: the graph is called the NPV profile.

D. Correct: the graph plotted for projected NPV against capital rates is called the net present value profile.

Question 66 Finance

The largest expense of most manufacturing firms is?

- A. Salaries Expense
- B. Amortization Expense
- C. Rent Expense
- D. Cost of goods sold ✓ **Correct answer**

A. Wrong: the largest expense of most manufacturing firms is cost of goods sold.

B. Wrong: the largest expense is cost of goods sold.

C. Wrong: the largest expense is cost of goods sold.

D. Correct: the largest expense of most manufacturing firms is cost of goods sold.

67 Finance

Net sales = Sales less?

- A. Sales returns
- B. Sales discounts
- C. Sales returns & allowances
- D. Sales returns & allowances and sales discounts ✓ **Correct answer**

A. Wrong: net sales deducts returns, allowances and discounts.

B. Wrong: net sales deducts all three.

C. Wrong: net sales also deducts sales discounts.

D. Correct: net sales = sales less sales returns and allowances and sales discounts.

Question 68 Mathematics

What is the least number of soldiers that can be drawn up in troops of 12, 15, 18 and 20 soldiers and also in form of a solid square?

- A. 900 ✓ **Correct answer**
- B. 400
- C. 1600
- D. 2500

A. Correct: the LCM of 12, 15, 18 and 20 is 180, and the smallest perfect square divisible by 180 is 900 (30 x 30).

B. Wrong: 400 is not divisible by 12, 15 or 18.

C. Wrong: 1,600 is not divisible by 12, 15 or 18.

D. Wrong: 2,500 is not divisible by 12, 15, 18 or 20.

69 Agriculture

"Hollow-heart" disease of sugar beet is caused due to: شوگر بیٹ کی "ہلو ہارٹ" کی بیماری کس وجہ سے ہوتی ہے:

- A. Salt toxicity
- B. Boron deficiency ✓ **Correct answer**
- C. Moisture stress
- D. Air pollutant

A. Wrong: hollow-heart in sugar beet is caused by boron deficiency.

B. Correct: 'hollow-heart' disease of sugar beet is caused by boron deficiency.

C. Wrong: it is caused by boron deficiency.

D. Wrong: it is caused by boron deficiency.

Question 70 English

What is the synonym of “Ado”?

- A. Idiom
- B. punishment
- C. cost
- D. Fuss ✓ **Correct answer**

A. Wrong: 'ado' means fuss.

B. Wrong: 'ado' means fuss.

C. Wrong: 'ado' means fuss.

D. Correct: the synonym of 'ado' is 'fuss'.

71 English

The purpose of the new ordinance was debated _____.

- A. Frequently ✓ **Correct answer**
- B. Frequindly
- C. Frequendily
- D. Frequeently

A. Correct: 'Frequently' is the correct spelling.

B. Wrong: the spelling is 'Frequently'.

C. Wrong: the spelling is 'Frequently'.

D. Wrong: the spelling is 'Frequently'.

Question 72 English

What is the synonym of Query?

- A. Impact
- B. Quote
- C. Succeed
- D. inquire ✓ **Correct answer**

A. Wrong: a query is an inquiry.

B. Wrong: a query is an inquiry.

C. Wrong: a query is an inquiry.

D. Correct: the synonym of 'query' is 'inquire'.

This paper remains the paper of the Open Testing Service. Ranjha Solutions branding is on this solved presentation only — the paper is not owned by Ranjha Solutions. OTS publishes official answer keys for this paper — see the source note.

are **free** — no charge is taken from any student for papers. General Knowledge answers are as of the 2020 sitting.

Source: https://testpointpk.com/v2.testpoint.pk/public/index.php/paper-mcqs/64/og-iii-(ztbl)-29-11-2020 (accessed 8 Nov 2026). See the source note on this page about the fold-in corrections.