



UNDERGRADUATE ADMISSION TEST INFORMATION – FALL 2026

1. General Instructions for All Groups

Specification	Details
Duration	60 Minutes
Total Questions	50 MCQs
Maximum Marks	50
Mode	OMR-Based / Bubble Answer Sheet
Options per MCQ	Four
Negative Marking	None

2. Overall Difficulty Distribution

Difficulty	Percentage
Easy	30%
Moderate	50%
Difficult	20%

3. Instructions to Candidates

Note: Please read these instructions carefully before attempting the examination.

1. This Test Paper contains 50 Multiple Choice Questions (MCQs). Each question has four (04) answer choices, of which only one is correct.
2. The duration of the examination is 60 minutes. No additional time will be allowed.
3. Each correct answer carries one (01) mark. There is no negative marking.
4. Use only the Bubble Sheet provided to record your responses. Answers marked on the Test Paper will not be evaluated.
5. If you find any missing, damaged, or illegible pages, or any discrepancy in the Test Paper or Bubble Sheet, immediately inform the Invigilator before beginning the examination.
6. Fill the appropriate bubble completely and neatly using only Blue or Black pen. Mark only one answer for each question. Multiple responses to a question will be treated as incorrect.
7. Read each question carefully before selecting your answer. Candidates are advised to attempt all questions and manage their time wisely.
8. Communication with other candidates or the possession or use of unauthorized material/electronic devices or impersonation or misbehaviour is strictly prohibited and may result in cancellation of the examination under the University of Peshawar Examination Discipline Regulations 2025.
9. When instructed to stop writing, immediately cease marking answers, remain seated, and submit both the Test Paper and the Bubble Sheet to the Invigilator before leaving the examination hall.



I. ARTS & HUMANITIES GROUP (FA)

A. Test Content Distribution and Weightage

Subject	Total MCQs	Weight (%)
English Language	10	20%
Pakistan Studies & General Knowledge	10	20%
Urdu	10	20%
Islamic Studies	10	20%
Analytical Reasoning	5	10%
General Arts & Humanities	5	10%
Total	50	100%

B. Sample Paper

1. Choose the correct synonym of "Brave":

- a) Coward
- b) Courageous
- c) Weak
- d) Afraid

2. Choose the correctly spelled word:

- a) Recieve
- b) Receive
- c) Reiceve
- d) Rieceive

3. Fill in the blank with the correct verb form: He _____ football every Sunday.

- a) play
- b) plays
- c) playing
- d) played

4. Choose the correct antonym of "Genuine":

- a) Real
- b) Authentic
- c) Fake
- d) True

5. Which sentence is correctly punctuated?

- a) Where are you going
- b) Where are you going?
- c) where are you going
- d) Where are you going,

6. Choose the correct passive voice of: "They built a house."

- a) A house is built by them
- b) A house was built by them
- c) A house has been built by them
- d) A house will be built by them

7. Choose the correct preposition: She is fond _____ music.

- a) of
- b) at
- c) in
- d) on



8. Choose the grammatically correct sentence:

- a) He don't like tea
- b) He doesn't like tea
- c) He not like tea
- d) He do not likes tea

9. Choose the sentence with correct subject-verb agreement:

- a) Each of the boys were present
- b) Each of the boys was present
- c) Each of the boy was present
- d) Each of the boys are present

10. Choose the correct indirect (reported) speech of: He said, "I am writing a letter."

- a) He said that he was writing a letter
- b) He said that he is writing a letter
- c) He said that he writes a letter
- d) He said that he had write a letter

11. Pakistan came into existence on:

- a) 23 March 1940
- b) 14 August 1947
- c) 6 September 1965
- d) 16 December 1971

12. What is the capital of Pakistan?

- a) Karachi
- b) Lahore
- c) Islamabad
- d) Peshawar

13. The national language of Pakistan is:

- a) Punjabi
- b) Urdu
- c) Pashto
- d) Sindhi

14. The national flower of Pakistan is:

- a) Rose
- b) Jasmine
- c) Lily
- d) Tulip

15. The Objectives Resolution was passed in:

- a) 1947
- b) 1949
- c) 1956
- d) 1973

16. Which mountain range(s) lie in the north of Pakistan?

- a) Himalayas
- b) Karakoram
- c) Sulaiman
- d) Himalayas and Karakoram, among others

17. The longest river of Pakistan is:

- a) Jhelum
- b) Chenab
- c) Indus
- d) Ravi

18. The official currency of Pakistan is the:

- a) Rupee
- b) Dinar



c) Taka

d) Riyal

19. The 18th Amendment to the Constitution of Pakistan primarily deals with:

a) Provincial autonomy

c) Foreign policy

b) Defence budget allocation

d) Judicial appointments only

20. Which international organization, headquartered in Geneva, deals with global public health?

a) UNESCO

c) UNICEF

b) WHO

d) IMF

21. Complete the number series: 3, 6, 9, 12, ?

a) 13

c) 15

b) 14

d) 16

22. If all roses are flowers, and some flowers fade quickly, which conclusion validly follows?

a) All roses fade quickly

c) No definite conclusion can be drawn

b) Some flowers are roses

d) All flowers are roses

23. Find the odd one out:

a) Pen

c) Eraser

b) Pencil

d) Book

24. Doctor is to Hospital as Teacher is to:

a) Book

c) Student

b) School

d) Chalk

25. Statement: "All artists are creative. Some creative people are famous." Conclusion I: All artists are famous. Conclusion II: Some famous people are artists. Which is correct?

a) Only Conclusion I follows

c) Neither conclusion follows

b) Only Conclusion II follows

d) Both conclusions follow

26. Which of the following is a branch of the Humanities?

a) Physics

c) History

b) Chemistry

d) Biology

27. The systematic study of human society and social relationships is called:

a) Psychology

c) Economics

b) Sociology

d) Geography

28. The Renaissance was primarily a period of revival in:

a) Science and industrial technology only

b) Art, literature and learning

c) Military strategy

d) Agriculture

29. Which ancient thinker is often regarded as the father of Political Science?

- a) Aristotle
- b) Socrates
- c) Plato
- d) Confucius

30. Which of the following best describes "Fine Arts"?

- a) Applied sciences used in industry
- b) Creative works such as painting, sculpture and music valued for aesthetic expression
- c) Legal and constitutional studies
- d) Mathematical modelling techniques

31. اسلام کے کتنے ارکان ہیں؟

- a) تین
- b) چار
- c) پانچ
- d) چھ

32. قرآن مجید کی پہلی سورت کونسی ہے؟

- a) سورة البقرہ
- b) سورة الفاتحہ
- c) سورة النساء
- d) سورة يسين

33. قرآن مجید تقریباً کتنے سالوں کے عرصے میں نازل ہوا؟

- a) 10 سال
- b) 23 سال
- c) 15 سال
- d) 30 سال

34. پر پہلی وحی کہاں نازل ہوئی؟ ﷺ نبی کریم

- a) غار ثور
- b) غار حرا
- c) مسجد اقصیٰ
- d) مسجد نبوی

35. زکوٰۃ کس مقدار کی دولت پر فرض ہوتی ہے؟

- a) نصاب
- b) کسی بھی مقدار پر
- c) صرف سونے پر
- d) صرف نقدی پر

36. خلفائے راشدین کی تعداد کتنی ہے؟

- a) تین
- b) چار
- c) پانچ
- d) چھ

37. نے کس موقع پر ارشاد فرمایا؟ ﷺ خطبہ حجة الوداع نبی کریم

- a) فتح مکہ کے موقع پر
- b) آخری حج کے موقع پر
- c) ہجرت مدینہ کے موقع پر
- d) جنگ بدر کے موقع پر

38. روزہ کس مہینے میں فرض ہے؟

- a) محرم
- b) رمضان
- c) شعبان
- d) ذوالحج

39. کی صورت میں کس خلیفہ کے دورِ خلافت میں جمع کیا گیا؟ (مصحف) قرآن مجید کو ایک معیاری نسخے

- a) حضرت ابوبکرؓ
b) حضرت عمرؓ
- c) حضرت عثمانؓ
d) حضرت علیؓ
40. میثاق مدینہ کس سن ہجری میں طے پایا؟
a) ہجری 1
b) ہجری 2
c) ہجری 3
d) ہجری 5
41. کا مترادف لفظ منتخب کریں ”خوشی“:
a) غم
b) مسرت
c) غصہ
d) خوف
42. کا معنی ہے ”علم“ لفظ:
a) دولت
b) جاننا
c) طاقت
d) خوبصورتی
43. علی نے کتاب پڑھی۔ جملے میں فاعل کی نشاندہی کریں:
a) علی
b) کتاب
c) پڑھی
d) نے
44. کی جمع کیا ہے؟ ”قلم“:
a) قلمیں
b) اقلام
c) قلموں
d) قلم ہا
45. کا مطلب ہے ”آسمان سر پر اٹھانا“ محاورہ:
a) خاموش رہنا
b) شور مچانا
c) خوش ہونا
d) سو جانا
46. مندرجہ ذیل میں سے کون سی صنفِ نثر ہے؟
a) غزل
b) نظم
c) افسانہ
d) قصیدہ
47. کا متضاد لفظ کیا ہے؟ ”شکر“:
a) صبر
b) ناشکری
c) خوشی
d) غم
48. مرکب اضافی کی مثال منتخب کریں:
a) کتابِ علم
b) اچھا لڑکا
c) دوڑتا ہوا
d) پڑھنا لکھنا
49. کس صنفِ ادب سے تعلق رکھتی ہے؟ ”مثنوی“:
a) نثر
b) نظم
c) ڈرامہ
d) خط
50. کس صنف سے تعلق رکھتی ہے؟ ”بانگِ درا“ علامہ اقبال کی مشہور کتاب:
a) نثر
b) شاعری
c) ناول
d) سفرنامہ

I. COMPUTER SCIENCE GROUP (FCS)

A. Test Content Distribution and Weightage

Subject	Total MCQs	Weight (%)
Computer Science	20	40%
Mathematics	5	10%
English	5	10%
Pakistan Studies	5	10%
Analytical Reasoning	5	10%
Urdu	5	10%
Islamic Studies	5	10%
Total	50	100%

B. Sample Paper

1. The full form of CPU is:

- a) Central Processing Unit
- b) Computer Personal Unit
- c) Central Program Unit
- d) Control Processing Unit

2. Which of the following is an example of an input device?

- a) Monitor
- b) Printer
- c) Keyboard
- d) Speaker

3. 1 byte is equal to how many bits?

- a) 4
- b) 8
- c) 16
- d) 32

4. Which number system uses only the digits 0 and 1?

- a) Decimal
- b) Octal
- c) Binary
- d) Hexadecimal

5. Which of the following is a valid variable name in C++?

- a) 2var
- b) var_1
- c) var-1
- d) var 1

6. The decimal value of the binary number 1010 is:

- a) 8
- b) 9
- c) 10
- d) 12

7. Which loop is used when the number of iterations is known in advance?

- a) for loop
- b) while loop
- c) do-while loop
- d) if-else

8. In C++, which symbol is used to write a single-line comment?

- a) /* */
- b) //

19. Which sorting algorithm guarantees a worst-case time complexity of $O(n \log n)$?

- a) Bubble Sort
- b) Insertion Sort
- c) Merge Sort
- d) Selection Sort

20. In the OSI model, which layer is primarily responsible for logical addressing and routing of data packets?

- a) Physical Layer
- b) Data Link Layer
- c) Network Layer
- d) Session Layer

21. The value of $5!$ (factorial) is:

- a) 100
- b) 120
- c) 60
- d) 24

22. The sum of the first 10 natural numbers ($1 + 2 + \dots + 10$) is:

- a) 45
- b) 50
- c) 55
- d) 60

23. The slope of the line $y = 2x + 3$ is:

- a) 3
- b) 2
- c) -2
- d) $1/2$

24. The derivative of $\sin x$ with respect to x is:

- a) $-\cos x$
- b) $\cos x$
- c) $-\sin x$
- d) $\tan x$

25. The value of the definite integral $\int_0^1 x \, dx$ is:

- a) 0
- b) 1
- c) $1/2$
- d) 2

26. Choose the correct synonym of 'Rapid':

- a) Slow
- b) Fast
- c) Steady
- d) Late

27. Choose the correctly spelled word:

- a) Neccessary
- b) Necesary
- c) Necessary
- d) Neccesary

28. Fill in the blank: The flight arrived ___ the airport on time.

- a) in
- b) at
- c) on
- d) to

29. Choose the correct passive voice of: 'She wrote a letter.'

- a) A letter is written by her.
- b) A letter was written by her.
- c) A letter has written by her.
- d) A letter was writing by her.

30. Identify the part with an error: 'Each of the students (A) have submitted (B) their (C) assignment (D) on time.'

- a) Each of the students
- b) have submitted
- c) their
- d) assignment

31. The capital of Punjab province is:

- a) Multan
- b) Lahore
- c) Faisalabad
- d) Rawalpindi

32. The national language of Pakistan is:

- a) Punjabi
- b) Pashto
- c) Urdu
- d) Sindhi

33. The national flower of Pakistan is:

- a) Rose
- b) Tulip
- c) Jasmine
- d) Lily

34. How many provinces does Pakistan currently have?

- a) 3
- b) 4
- c) 5
- d) 6

35. The Lahore Resolution (Pakistan Resolution) was passed in the year:

- a) 1930
- b) 1940
- c) 1946
- d) 1947

36. Choose the odd one out:

- a) Apple
- b) Mango
- c) Potato
- d) Banana

37. Find the next number in the series: 3, 6, 11, 18, 27, ?

- a) 36
- b) 37
- c) 38
- d) 40

38. Pen is to Write as Knife is to:

- a) Kitchen
- b) Cut
- c) Sharp
- d) Metal

39. All dogs are animals. Some animals are wild. Therefore:

- a) All dogs are wild
- b) Some dogs are wild
- c) No valid conclusion can be drawn
- d) No dogs are animals

40. If CAT is coded as 24-1-20 and DOG is coded as 4-15-7, how is BIRD coded?

- a) 2-9-18-4 c) 3-9-18-4
b) 2-9-19-4 d) 2-8-18-4

41. کا متضاد کیا ہے؟ "دن"

- a) رات c) شام
b) صبح d) دوپہر

42. محاورے کا مطلب ہے "ناک کا بال ہونا"

- a) بہت پیارا ہونا c) بیمار ہونا
b) ناراض ہونا d) کمزور ہونا

43. کی جمع کیا ہے؟ "لڑکی" لفظ

- a) لڑکیاں c) لڑکیوں
b) لڑکے d) لڑکا

44. مشہور شاعر علامہ اقبال کا تخلص کیا تھا؟

- a) غالب c) ناصر
b) اقبال d) فراق

45. غزل کی خصوصیت کیا ہے؟

- a) ہر شعر کا مضمون الگ ہو سکتا ہے c) صرف نثر میں لکھی جاتی ہے
b) پوری نظم ایک ہی مضمون پر ہوتی ہے d) اس میں قافیہ نہیں ہوتا

46. قرآن مجید میں کل کتنے پارے ہیں؟

- a) 20 c) 30
b) 25 d) 35

47. نماز فرض ہونے کا واقعہ کس رات پیش آیا؟

- a) شبِ برات c) شبِ قدر
b) شبِ معراج d) شبِ عید

48. پہلی وحی کس مقام پر نازل ہوئی؟

- a) مسجد نبوی c) مسجد اقصیٰ
b) غارِ حرا d) خانہ کعبہ

49. قرآن مجید کی سب سے پہلے نازل ہونے والی سورت کون سی ہے؟

- a) سورہ الفاتحہ c) سورہ البقرہ
b) سورہ العلق d) سورہ یسین

50. قرآن مجید کتنے عرصے میں نازل ہوا؟

- a) 10 سال c) 23 سال
b) 15 سال d) 30 سال

II. PRE-ENGINEERING GROUP

A. Test Content Distribution and Weightage

Subject	Total MCQs	Weight (%)
Physics	8	16%
Chemistry	8	16%
Mathematics	8	16%
English	6	12%
Pakistan Studies	5	10%
Analytical Reasoning	5	10%
Urdu	5	10%
Islamic Studies	5	10%
Total	50	100%

B. Sample Paper

1. The SI unit of force is:

- a) Watt
- b) Joule
- c) Newton
- d) Pascal

2. The value of acceleration due to gravity near the Earth's surface is approximately:

- a) 6.4 m/s^2
- b) 8.9 m/s^2
- c) 9.8 m/s^2
- d) 11.2 m/s^2

3. A car accelerates uniformly from rest to 20 m/s in 5 seconds. Its acceleration is:

- a) 2 m/s^2
- b) 4 m/s^2
- c) 5 m/s^2
- d) 10 m/s^2

4. According to Ohm's Law, if the voltage across a resistor is 12 V and its resistance is 4Ω , the current flowing through it is:

- a) 2 A
- b) 3 A
- c) 4 A
- d) 6 A

5. The frequency of a wave with wavelength 2 m travelling at 340 m/s is:

- a) 85 Hz
- b) 170 Hz
- c) 340 Hz
- d) 680 Hz

6. Newton's third law of motion states that:

- a) Every object remains at rest unless acted upon by a force
- b) Force equals mass times acceleration

c) For every action there is an equal and opposite reaction

d) Energy cannot be created or destroyed

7. In the photoelectric effect, if the frequency of the incident light is below the threshold frequency, then:

a) Electrons are emitted with high kinetic energy

c) Electrons are emitted only if intensity is increased

b) No electrons are emitted regardless of intensity

d) Electrons are emitted after a time delay

8. Three capacitors of $2\ \mu\text{F}$, $3\ \mu\text{F}$ and $6\ \mu\text{F}$ are connected in series. Their equivalent capacitance is:

a) $1\ \mu\text{F}$

c) $3\ \mu\text{F}$

b) $2\ \mu\text{F}$

d) $11\ \mu\text{F}$

9. The number of protons in an atom is called its:

a) Mass number

c) Valency

b) Atomic number

d) Isotope number

10. A solution with $\text{pH} = 7$ is:

a) Acidic

c) Neutral

b) Basic

d) Amphoteric

11. The number of moles in $44\ \text{g}$ of CO_2 (molar mass = $44\ \text{g/mol}$) is:

a) 0.5

c) 2

b) 1

d) 4

12. Across a period, from left to right, electronegativity generally:

a) Increases

c) Remains constant

b) Decreases

d) First increases, then decreases

13. A bond formed by the complete transfer of electrons from one atom to another is called a/an:

a) Covalent bond

c) Metallic bond

b) Ionic bond

d) Hydrogen bond

14. Avogadro's number is approximately:

a) 6.02×10^{22}

c) 3.01×10^{23}

b) 6.02×10^{23}

d) 1.02×10^{24}

15. For the reaction $\text{A} + \text{B} \rightleftharpoons \text{C} + \text{D}$ at equilibrium, if $K_c > 1$, this indicates that:

a) Reactants are favoured

b) Products are favoured

c) No reaction occurs

d) Equilibrium is not attained

16. The IUPAC name of $\text{CH}_3\text{--CH}_2\text{--OH}$ is:

a) Methanol

b) Ethanol

c) Propanol

d) Ethanal

17. The derivative of x^n with respect to x is:

a) nx

b) $nx^{(n-1)}$

c) $x^{(n-1)}$

d) $(n-1)x^n$

18. The value of $\sin 90^\circ$ is:

a) 0

b) 1

c) -1

d) $1/2$

19. The roots of the equation $x^2 - 5x + 6 = 0$ are:

a) 1, 6

b) 2, 3

c) -2, -3

d) 2, -3

20. The determinant of the matrix $\begin{bmatrix} 2 & 3 \\ 1 & 4 \end{bmatrix}$ is:

a) 5

b) 8

c) 11

d) 14

21. $\sin^2\theta + \cos^2\theta$ is equal to:

a) 0

b) 1

c) 2

d) $\tan \theta$

22. The value of $\lim_{x \rightarrow 0} (\sin x)/x$ is:

a) 0

b) 1

c) ∞

d) Undefined

23. $\int x e^x dx$ is equal to:

a) $e^x(x - 1) + C$

b) $e^x(x + 1) + C$

c) $x e^x + C$

d) $e^x + C$

24. If $z = 3 + 4i$, then $|z|$ is equal to:

a) 3

b) 4

c) 5

d) 7

25. Choose the correct synonym of 'Abundant':

- a) Scarce
- b) Plentiful
- c) Empty
- d) Rare

26. Fill in the blank: She is good ____ mathematics.

- a) in
- b) at
- c) on
- d) with

27. Choose the grammatically correct sentence:

- a) He go to school daily.
- b) He goes to school daily.
- c) He going to school daily.
- d) He gone to school daily.

28. Choose the correct antonym of 'Optimistic':

- a) Hopeful
- b) Pessimistic
- c) Confident
- d) Cheerful

29. The idiom 'to break the ice' means:

- a) To start a conversation in a social setting
- b) To destroy something
- c) To end a relationship
- d) To feel cold

30. Identify the part with an error: 'Neither of the boys (A) have (B) finished (C) their (D) homework.'

- a) Neither
- b) have
- c) finished
- d) their

31. The capital of Pakistan is:

- a) Karachi
- b) Lahore
- c) Islamabad
- d) Peshawar

32. Pakistan came into existence on:

- a) 23 March 1940
- b) 14 August 1947
- c) 15 August 1947
- d) 3 June 1947

33. The founder of Pakistan, known as Quaid-e-Azam, was:

- a) Allama Iqbal
- b) Liaquat Ali Khan
- c) Muhammad Ali Jinnah
- d) Sir Syed Ahmad Khan

34. Pakistan's first constitution was enforced in:

- | | |
|---------|---------|
| a) 1947 | c) 1962 |
| b) 1956 | d) 1973 |

35. The Objectives Resolution was passed by the Constituent Assembly of Pakistan in:

- | | |
|---------|---------|
| a) 1947 | c) 1956 |
| b) 1949 | d) 1962 |

36. All roses are flowers. Some flowers fade quickly. Therefore:

- | | |
|----------------------------|-------------------------------------|
| a) All roses fade quickly | c) No valid conclusion can be drawn |
| b) Some roses fade quickly | d) No roses are flowers |

37. Find the next number in the series: 2, 6, 12, 20, 30, ?

- | | |
|-------|-------|
| a) 40 | c) 44 |
| b) 42 | d) 36 |

38. Book is to Reading as Fork is to:

- | | |
|------------|------------|
| a) Cooking | c) Kitchen |
| b) Eating | d) Cutting |

39. Choose the odd one out:

- | | |
|-------------|-----------|
| a) Triangle | c) Circle |
| b) Square | d) Cube |

40. If all Bloops are Razzies and all Razzies are Lazzies, which statement must be true?

- | | |
|---------------------------|----------------------------|
| a) All Lazzies are Bloops | c) All Lazzies are Razzies |
| b) All Bloops are Lazzies | d) No Bloops are Lazzies |

41. کا متضاد لفظ کیا ہے؟ "خوشی"

- | | |
|---------|---------|
| a) غم | c) رونق |
| b) سکون | d) محبت |

42. محاورے کا مطلب ہے "آنکھیں کھلی رہ جانا"

- | | |
|---------------|-------------|
| a) حیران ہونا | c) رونا |
| b) سو جانا | d) خوش ہونا |

43. کی جمع کیا ہے؟ "کتاب" لفظ

a) کتابیں

b) کتابچہ

c) کتابیت

d) کتابی

44. کس زبان میں لکھی گئی؟ "مثنوی مولانا روم"

a) اردو

b) عربی

c) فارسی

d) پنجابی

45. الفاظ کی تکرار سے خوبصورتی پیدا کرنے والی صنعت کون سی ہے؟

a) تشبیہ

b) استعارہ

c) تکرار لفظی

d) مبالغہ

46. ارکان اسلام کی تعداد کتنی ہے؟

a) تین

b) چار

c) پانچ

d) چھی

47. حضرت موسیٰ علیہ السلام پر نازل ہونے والی کتاب کا نام کیا ہے؟

a) زبور

b) تورات

c) انجیل

d) قرآن

48. کی تعداد کتنی ہے؟ (جنت کی خوشخبری پانے والے صحابہ) عشرہ مبشرہ

a) 8

b) 10

c) 12

d) 14

49. ہجری کیلنڈر کا آغاز کس واقعے سے ہوتا ہے؟

a) ولادت نبی کریم
صلی اللہ علیہ
وسلم

b) ہجرت مدینہ

c) غزوہ بدر

d) فتح مکہ

50. قرآن مجید کو ایک ہی نسخے کی صورت میں جمع کرنے کا کام کس خلیفہ کے دور میں مکمل ہوا؟

a) حضرت ابوبکر رضی اللہ عنہ

b) حضرت عمر رضی اللہ عنہ

c) حضرت عثمان رضی اللہ عنہ

d) حضرت علی رضی اللہ عنہ

III. PRE-MEDICAL GROUP

A. Test Content Distribution and Weightage

Subject	Total MCQs	Weight (%)
Physics	8	16%
Chemistry	8	16%
Biology	8	16%
English	6	12%
Pakistan Studies	5	10%
Analytical Reasoning	5	10%
Urdu	5	10%
Islamic Studies	5	10%
Total	50	100%

B. Sample Paper

- What is the SI unit of force?
 - Newton
 - Joule
 - Watt
 - Pascal
- Which of the following quantities is a vector?
 - Speed
 - Distance
 - Velocity
 - Mass
- A body moving with uniform velocity has:
 - Zero acceleration
 - Uniform acceleration
 - Increasing velocity
 - Variable acceleration
- The work done by a force is zero when the angle between the force and displacement is:
 - 0°
 - 45°
 - 90°
 - 180°
- According to Newton's law of gravitation, the gravitational force between two bodies is:
 - Directly proportional to the product of their masses
 - Inversely proportional to the product of their masses
 - Independent of the distance between them
 - Directly proportional to the distance between them
- The time period of a simple pendulum mainly depends upon its:
 - Mass of the bob
 - Length

c) Amplitude of swing

d) Material of the bob

7. Ohm's Law establishes a relationship between:

a) Voltage, current and resistance

c) Force and mass

b) Power and energy

d) Charge and time

8. In the photoelectric effect, the maximum kinetic energy of the emitted electrons depends upon the:

a) Intensity of incident light

c) Angle of incidence

b) Frequency of incident light

d) Distance from the light source

9. The atomic number of an element represents the number of:

a) Protons

c) Electrons + neutrons

b) Neutrons

d) Protons + neutrons

10. The number of moles present in 22.4 litres of a gas at STP is:

a) 0.5

c) 2

b) 1

d) 22.4

11. Which gas law states that pressure is inversely proportional to volume at constant temperature?

a) Charles's Law

c) Avogadro's Law

b) Boyle's Law

d) Gay-Lussac's Law

12. A chemical bond formed by the mutual sharing of electrons between two atoms is called a/an:

a) Ionic bond

c) Metallic bond

b) Covalent bond

d) Hydrogen bond

13. In an exothermic reaction:

a) Energy is absorbed from the surroundings

c) No energy change occurs

b) Energy is released to the surroundings

d) Temperature of the surroundings decreases

14. The pH value of a neutral aqueous solution at 25°C is:

- a) 0
- b) 7
- c) 14
- d) 1

15. Which functional group is characteristically present in alcohols?

- a) -COOH
- b) -CHO
- c) -OH
- d) -NH₂

16. According to Le Chatelier's principle, increasing the pressure on a gaseous equilibrium favours the side with:

- a) More moles of gas
- b) Fewer moles of gas
- c) Equal moles of gas on both sides
- d) No effect on either side

17. The basic structural and functional unit of life is the:

- a) Tissue
- b) Cell
- c) Organ
- d) Organelle

18. Photosynthesis in a plant cell occurs mainly in which organelle?

- a) Mitochondria
- b) Chloroplast
- c) Ribosome
- d) Nucleus

19. DNA replication is described as semi-conservative because:

- a) Both daughter strands are entirely new
- b) Each daughter molecule has one old and one new strand
- c) Both strands remain unchanged
- d) The original strands are destroyed

20. Enzymes primarily function in the body as:

- a) A source of energy
- b) Biological catalysts
- c) Structural proteins only
- d) Hormones

21. In humans, oxygenation of blood takes place in the:

- a) Liver
- b) Kidneys
- c) Lungs
- d) Heart

22. Which blood group is regarded as the universal donor?

- a) A
- b) B
- c) AB
- d) O negative

23. The structural and functional unit of the kidney is called the:

- a) Neuron
- b) Nephron
- c) Alveolus
- d) Villus

24. In a dihybrid cross, according to Mendel's Law of Independent Assortment, the expected F₂ phenotypic ratio is:

- a) 3:1
- b) 1:2:1
- c) 9:3:3:1
- d) 1:1:1:1

25. Choose the correct synonym of "Happy":

- a) Sad
- b) Joyful
- c) Angry
- d) Tired

26. Fill in the blank with the correct verb form: She _____ to school every day.

- a) go
- b) goes
- c) going
- d) gone

27. Choose the correct antonym of "Ancient":

- a) Old
- b) Modern
- c) Ruined
- d) Historic

28. Which sentence is correctly punctuated?

- a) Its a beautiful day
- b) It's a beautiful day
- c) Its' a beautiful day
- d) Its a, beautiful day

29. Choose the correct passive voice of: "He writes a letter."

- a) A letter is written by him
- b) A letter was written by him
- c) A letter is being written by him
- d) A letter has written by him

30. Choose the grammatically correct sentence:

- a) Neither he nor his friends was present
- b) Neither he nor his friends were present
- c) Neither he or his friends were present
- d) Neither him nor his friends were present

31. Pakistan came into existence on:

- a) 23 March 1940
- b) 14 August 1947
- c) 6 September 1965
- d) 16 December 1971

32. The Lahore Resolution was presented in the year:

- a) 1930
- b) 1940
- c) 1946
- d) 1947

33. Who is regarded as the founder of Pakistan?

- a) Allama Iqbal
- b) Liaquat Ali Khan
- c) Quaid-e-Azam Muhammad Ali Jinnah
- d) Sir Syed Ahmed Khan

34. The current Constitution of Pakistan was enforced in:

- a) 1956
- b) 1962
- c) 1973
- d) 1985

35. Which of the following rivers is NOT part of the Indus Basin river system?

- a) Jhelum
- b) Chenab
- c) Ganges
- d) Sutlej

36. Complete the number series: 2, 4, 6, 8, ?

- a) 9
- b) 10
- c) 12
- d) 14

37. If all roses are flowers, and some flowers fade quickly, which conclusion validly follows?

- a) All roses fade quickly
- b) Some flowers are roses
- c) No definite conclusion can be drawn
- d) All flowers are roses

38. Find the odd one out:

- | | |
|-----------|-------------|
| a) Circle | c) Triangle |
| b) Square | d) Sphere |

39. Book is to Library as Painting is to:

- | | |
|-----------|-----------|
| a) Frame | c) Artist |
| b) Museum | d) Canvas |

40. Statement: "All doctors are educated. Some educated people are rich." Conclusion I: All doctors are rich. Conclusion II: Some rich people are doctors. Which is correct?

- | | |
|-------------------------------|-------------------------------|
| a) Only Conclusion I follows | c) Neither conclusion follows |
| b) Only Conclusion II follows | d) Both conclusions follow |

41. "خوشی" مترادف لفظ منتخب کریں

- | | |
|---------|--------|
| a) غم | c) غصہ |
| b) مسرت | d) خوف |

42. علی نے کتاب پڑھی۔ جملے میں فاعل کی نشاندہی کریں

- | | |
|---------|---------|
| a) علی | c) پڑھی |
| b) کتاب | d) نے |

43. کی جمع کیا ہے؟ "قلم"

- | | |
|----------|-----------|
| a) قلمیں | c) قلموں |
| b) اقلام | d) قلم ہا |

44. کا مطلب ہے "آسمان سر پر اٹھانا" محاورہ

- | | |
|---------------|-------------|
| a) خاموش رہنا | c) خوش ہونا |
| b) شور مچانا | d) سو جانا |

45. مندرجہ ذیل میں سے کون سی صنف نثر میں شامل ہے؟

- | | |
|--------|-----------|
| a) غزل | c) افسانہ |
| b) نظم | d) قصیدہ |

46. اسلام کے کتنے ارکان ہیں؟

- | | |
|--------|---------|
| a) تین | c) پانچ |
| b) چار | d) چھ |

47. قرآن مجید تقریباً کتنے سالوں کے عرصے میں نازل ہوا؟

a) 10 سال

c) 15 سال

b) 23 سال

d) 30 سال

48. پر پہلی وحی کہاں نازل ہوئی؟ ﷺ نبی کریم

a) غار ثور

c) مسجد اقصیٰ

b) غار حرا

d) مسجد نبوی

49. زکوٰۃ کس مقدار کی دولت پر فرض ہوتی ہے؟

a) نصاب

b) صرف سونے پر

c) کسی بھی مقدار پر

d) صرف نقدی پر

50. کی (مصحف) قرآن مجید کو ایک معیاری نسخے

صورت میں کس خلیفہ کے دور خلافت میں جمع کیا گیا؟

a) ابوبکرؓ حضرت

b) عثمانؓ حضرت

c) عمرؓ حضرت

d) علیؓ حضرت

--- END ---



University of Peshawar

