SAMPLE PAPER

Category C — Secondary (Matric)

Class 9 & 10 • 75 MCQs • 75 Marks • Time: 90 minutes

C
CATEGORY

CANDIDATE DETAILS

Student's Name		**Roll Number**	
Father's Name		**Class**	
School / College		**Test Centre**	

INSTRUCTIONS

1. All questions are compulsory. Each question carries **1 mark**.
2. Each question has four options. Only **one** option is correct.
3. There is **no negative marking** for wrong answers.
4. Fill the correct circle completely on the Answer Sheet with a blue or black ball pen.
5. Mobile phones, calculators and smart watches are **not allowed**.
6. Non-Muslim students attempt the **(E) Ethics** question instead of the **(I) Islamiat** question.
7. Total time: **90 minutes**.

ہدایات

1۔ تمام سوالات لازمی ہیں۔ ہر سوال کا ایک نمبر ہے۔
2۔ ہر سوال کے چار جوابات ہیں جن میں سے صرف ایک درست ہے۔
3۔ غلط جواب پر کوئی نمبر نہیں کاٹا جائے گا۔
4۔ جواب شیٹ پر درست دائرہ نیلے یا کالے بال پین سے مکمل بھریں۔
5۔ موبائل فون، کیلکولیٹر اور اسمارٹ واچ کی اجازت نہیں ہے۔
6۔ غیر مسلم طلبہ اسلامیات کے بجائے اخلاقیات کا سوال حل کریں۔
7۔ کل وقت: 90 منٹ

PAPER PATTERN

Section	Subject	Questions	MCQs	Marks
1	English	Q1 – Q20	20	20
2	Mathematics	Q21 – Q40	20	20
3	General Science	Q41 – Q55	15	15
4	Computer Science	Q56 – Q60	5	5
5	GK, Pakistan Studies & Islamiat / Ethics	Q61 – Q75	15	15
	Total		**75**	**75**

Do not open this paper until the invigilator tells you to begin.

ENGLISH

1. By next year, she ___ her degree.
(a) has completed **(b)** completes
(c) completed **(d)** will have completed

2. He ___ to Lahore last week.
(a) goes **(b)** had been going
(c) went **(d)** has gone

3. Passive voice of *Who wrote this book?*
(a) By whom this book was written?
(b) Who was written this book?
(c) By whom was this book written?
(d) By whom is this book wrote?

4. Passive voice of *Do not tease the dog.*
(a) Let the dog not be teased.
(b) The dog not to be teased.
(c) The dog is not teased.
(d) The dog was not teased.

5. He said, "I have finished my homework." (Indirect speech)
(a) He told that he finished his homework.
(b) He said that I had finished my homework.
(c) He said that he had finished his homework.
(d) He said that he has finished his homework.

6. She said to me, "Will you help me?" (Indirect speech)
(a) She asked me will I help her.
(b) She asked that will you help her.
(c) She said would I help her.
(d) She asked me if I would help her.

7. She is fond ___ reading.
(a) for **(b)** of
(c) with **(d)** in

8. He has been ill ___ Monday.
(a) since **(b)** for
(c) from **(d)** by

9. Work hard, ___ you will fail.
(a) or **(b)** so
(c) but **(d)** and

10. He is ___ honest man.
(a) an **(b)** no article
(c) a **(d)** the

11. Choose the correct sentence:
(a) He doesn't likes tea.
(b) He not like tea.
(c) He don't like tea.
(d) He doesn't like tea.

12. Choose the correct sentence:
(a) Each of the student have a book.
(b) Each of the students have a book.
(c) Each of the students has a book.
(d) Each of students have books.

13. Choose the correct sentence:
(a) One of my friends is a doctor.
(b) One of my friend are doctors.
(c) She is more taller than me.
(d) He is senior than me.

14. A synonym of **abundant** is:
(a) plentiful **(b)** rare
(c) tiny **(d)** scarce

15. An antonym of **transparent** is:
(a) opaque **(b)** thin
(c) shiny **(d)** clear

16. The idiom *a piece of cake* means:
(a) a small amount **(b)** something very easy
(c) something delicious **(d)** something costly

17. The idiom *to burn the midnight oil* means:
(a) to waste fuel
(b) to start a fire
(c) to work late into the night
(d) to sleep early

Read the passage and answer Q18 to Q20.

Abdul Sattar Edhi devoted his life to serving people in need. Starting with a small dispensary in Karachi, he built one of the largest volunteer ambulance networks in the world. He lived a simple life and never accepted government money for his work.

18. Edhi started his work with:
(a) a small dispensary in Karachi
(b) a bank
(c) a school in Hyderabad
(d) a hospital in Lahore

19. The word **devoted** in the passage means:
(a) dedicated **(b)** wasted
(c) refused **(d)** forgot

20. The best title for the passage is:
(a) Ambulances of the World
(b) Government Help
(c) Life in Karachi
(d) A Life of Service

MATHEMATICS

21. If A = {1, 2, 3} and B = {2, 3, 4}, then A ∩ B = ?
(a) {1, 2, 3, 4} **(b)** {2, 3}
(c) { } (empty set) **(d)** {1, 4}

22. Which of these is an **irrational** number?
(a) 2/3 **(b)** 0.75
(c) √5 **(d)** √16

23. $\log_{10} 1000$ = ?
(a) 4 **(b)** 3
(c) 30 **(d)** 2

SAMPLE

24. log 1 = ?
(a) 10 **(b)** 1
(c) 0 **(d)** undefined

25. Factorize: $x^2 - 9$
(a) $(x - 9)(x + 1)$ **(b)** $(x - 3)^2$
(c) $(x - 3)(x + 3)$ **(d)** $(x + 9)(x - 1)$

26. Factorize: $x^2 + 5x + 6$
(a) $(x - 2)(x - 3)$ **(b)** $(x + 1)(x + 6)$
(c) $(x + 5)(x + 1)$ **(d)** $(x + 2)(x + 3)$

27. Solve: $2x - 7 = 11$
(a) $x = -9$ **(b)** $x = 2$
(c) $x = 7$ **(d)** $x = 9$

28. The roots of $x^2 - 5x + 6 = 0$ are:
(a) −2 and −3 **(b)** −1 and 6
(c) 2 and 3 **(d)** 1 and 6

29. The discriminant of $ax^2 + bx + c = 0$ is:
(a) $b^2 - 4ac$ **(b)** $b^2 + 4ac$
(c) $4ac - b^2$ **(d)** $2a$

30. A matrix with 2 rows and 3 columns has order:
(a) 2 × 3 **(b)** 3 × 2
(c) 5 × 1 **(d)** 6 × 1

31. The determinant of the matrix [2 3; 1 4] is:
(a) −5 **(b)** 8
(c) 5 **(d)** 11

32. The angle in a semicircle is:
(a) 45° **(b)** 180°
(c) 90° **(d)** 60°

33. In a right-angled triangle, the two shorter sides are 6 cm and 8 cm. The hypotenuse is:
(a) 10 cm **(b)** 48 cm
(c) 14 cm **(d)** 12 cm

34. The sum of the exterior angles of any polygon is:
(a) 540° **(b)** 180°
(c) 360° **(d)** 720°

35. sin 30° = ?
(a) 1/2 **(b)** 1
(c) $1/\sqrt{2}$ **(d)** $\sqrt{3}/2$

36. tan 45° = ?
(a) $\sqrt{3}$ **(b)** 1
(c) 1/2 **(d)** 0

37. $\sin^2\theta + \cos^2\theta$ = ?
(a) 0 **(b)** 1
(c) $\tan\theta$ **(d)** 2

38. The mean of 12, 15, 18, 21 and 24 is:
(a) 21 **(b)** 20
(c) 18 **(d)** 15

39. The range of 5, 12, 3, 20 and 8 is:
(a) 20 **(b)** 15
(c) 12 **(d)** 17

40. $(a + b)^2$ = ?
(a) $a^2 + 2ab + b^2$ **(b)** $a^2 - 2ab + b^2$
(c) $a^2 + b^2$ **(d)** $2a + 2b$

GENERAL SCIENCE

41. The SI unit of length is the:
(a) centimetre **(b)** kilometre
(c) foot **(d)** metre

42. The rate of change of velocity is called:
(a) acceleration **(b)** displacement
(c) momentum **(d)** speed

43. Newton's first law of motion is also called the law of:
(a) gravitation **(b)** action and reaction
(c) acceleration **(d)** inertia

44. Work done is equal to:
(a) mass × velocity **(b)** force × distance
(c) force × time **(d)** power × distance

45. Ohm's law is written as:
(a) $V = I^2R$ **(b)** $V = I/R$
(c) $V = R/I$ **(d)** $V = IR$

46. The speed of light in a vacuum is about:
(a) 3×10^8 m/s **(b)** 3×10^6 m/s
(c) 340 m/s **(d)** 3×10^5 m/s

47. The number of protons in the nucleus of an atom is its:
(a) isotope **(b)** atomic number
(c) valency **(d)** mass number

48. The atomic number of carbon is:
(a) 8 **(b)** 6
(c) 12 **(d)** 14

49. In the modern periodic table, elements are arranged by increasing:
(a) atomic mass **(b)** density
(c) atomic number **(d)** valency

50. A bond formed by the transfer of electrons is called:
(a) a metallic bond **(b)** a hydrogen bond
(c) a covalent bond **(d)** an ionic bond

51. The pH of pure water is:
(a) 0 **(b)** 14
(c) 1 **(d)** 7

52. The basic unit of life is the:
(a) cell **(b)** atom
(c) organ **(d)** tissue

53. The tissue that carries water in plants is:
(a) epidermis **(b)** cambium
(c) phloem **(d)** xylem

54. Aerobic respiration produces:
(a) alcohol only
(b) lactic acid only
(c) carbon dioxide, water and energy
(d) oxygen and glucose

SAMPLE

55. Red blood cells carry oxygen with the help of:

(a) platelets **(b)** insulin
(c) chlorophyll **(d)** haemoglobin

COMPUTER SCIENCE

56. The binary form of the decimal number 10 is:

(a) 1100 **(b)** 1110
(c) 1001 **(d)** 1010

57. The decimal value of the binary number 1111 is:

(a) 11 **(b)** 16
(c) 15 **(d)** 14

58. The file extension of an MS Word document is:

(a) .exe **(b)** .pptx
(c) .docx **(d)** .xlsx

59. Which of these is the strongest password?

(a) 123456 **(b)** Tr7#mK9!pQ
(c) your date of birth **(d)** password

60. Which memory loses its data when the computer is switched off?

(a) RAM **(b)** ROM
(c) USB flash drive **(d)** Hard disk

GK, PAKISTAN STUDIES & ISLAMIAT / ETHICS

61. The Two-Nation Theory states that:

(a) Pakistan has two provinces
(b) Sindh and Punjab are two nations
(c) India and China are one nation
(d) Muslims and Hindus are two separate nations

62. The Lahore Resolution was passed on:

(a) 3 June 1947 **(b)** 14 August 1947
(c) 23 March 1940 **(d)** 30 December 1906

63. The All-India Muslim League was founded in:

(a) 1940 **(b)** 1906
(c) 1919 **(d)** 1885

64. The first Governor-General of Pakistan was:

(a) Liaquat Ali Khan
(b) Khawaja Nazimuddin
(c) Iskander Mirza
(d) Quaid-e-Azam Muhammad Ali Jinnah

65. The largest province of Pakistan by area is:

(a) Balochistan **(b)** Khyber Pakhtunkhwa
(c) Sindh **(d)** Punjab

66. The largest dam of Pakistan is:

(a) Warsak Dam **(b)** Khanpur Dam
(c) Mangla Dam **(d)** Tarbela Dam

67. Thar in Sindh is famous for its large reserves of:

(a) salt **(b)** coal
(c) iron **(d)** gold

68. The present Constitution of Pakistan was adopted in:

(a) 1947 **(b)** 1956
(c) 1962 **(d)** 1973

69. The Parliament (Majlis-e-Shoora) consists of the President, the National Assembly and the:

(a) Senate
(b) Provincial Assemblies
(c) Supreme Court
(d) Federal Cabinet

70. *Shah Jo Risalo* was written by:

(a) Shah Abdul Latif Bhittai
(b) Rehman Baba
(c) Bulleh Shah
(d) Sachal Sarmast

71. Sehwan Sharif is famous for the shrine of:

(a) Data Ganj Bakhsh **(b)** Lal Shahbaz Qalandar
(c) Bari Imam **(d)** Shah Rukn-e-Alam

72. Ranikot Fort, often called the *Great Wall of Sindh*, is in district:

(a) Jamshoro **(b)** Thatta
(c) Larkana **(d)** Dadu

73. Pakistan became a member of the United Nations in:

(a) 1947 **(b)** 1956
(c) 1945 **(d)** 1950

74. The China–Pakistan Economic Corridor (CPEC) links Gwadar Port with:

(a) Afghanistan **(b)** Iran
(c) Turkey **(d)** China

75. (I) The first Caliph of Islam was:

(a) Hazrat Abu Bakr Siddiq (R.A.)
(b) Hazrat Umar Farooq (R.A.)
(c) Hazrat Usman Ghani (R.A.)
(d) Hazrat Ali (R.A.)

OR (for non-Muslim students)

75. (E) Treating all people fairly, whatever their religion or background, is called:

(a) equality **(b)** discrimination
(c) prejudice **(d)** selfishness

— End of Questions —

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ANSWER SHEET

Category C — Secondary (Matric) • 75 Questions

Name		Roll No.	

Fill **one** circle completely for each question. For Islamiat / Ethics questions, mark the answer of the question you attempted.

Q.	a	b	c	d	Q.	a	b	c	d	Q.	a	b	c	d
1	○	○	○	○	26	○	○	○	○	51	○	○	○	○
2	○	○	○	○	27	○	○	○	○	52	○	○	○	○
3	○	○	○	○	28	○	○	○	○	53	○	○	○	○
4	○	○	○	○	29	○	○	○	○	54	○	○	○	○
5	○	○	○	○	30	○	○	○	○	55	○	○	○	○
6	○	○	○	○	31	○	○	○	○	56	○	○	○	○
7	○	○	○	○	32	○	○	○	○	57	○	○	○	○
8	○	○	○	○	33	○	○	○	○	58	○	○	○	○
9	○	○	○	○	34	○	○	○	○	59	○	○	○	○
10	○	○	○	○	35	○	○	○	○	60	○	○	○	○
11	○	○	○	○	36	○	○	○	○	61	○	○	○	○
12	○	○	○	○	37	○	○	○	○	62	○	○	○	○
13	○	○	○	○	38	○	○	○	○	63	○	○	○	○
14	○	○	○	○	39	○	○	○	○	64	○	○	○	○
15	○	○	○	○	40	○	○	○	○	65	○	○	○	○
16	○	○	○	○	41	○	○	○	○	66	○	○	○	○
17	○	○	○	○	42	○	○	○	○	67	○	○	○	○
18	○	○	○	○	43	○	○	○	○	68	○	○	○	○
19	○	○	○	○	44	○	○	○	○	69	○	○	○	○
20	○	○	○	○	45	○	○	○	○	70	○	○	○	○
21	○	○	○	○	46	○	○	○	○	71	○	○	○	○
22	○	○	○	○	47	○	○	○	○	72	○	○	○	○
23	○	○	○	○	48	○	○	○	○	73	○	○	○	○
24	○	○	○	○	49	○	○	○	○	74	○	○	○	○
25	○	○	○	○	50	○	○	○	○	75	○	○	○	○

ANSWER KEY

Check your answers only after attempting the full paper in the given time.

1	d	**16**	b	**31**	c	**46**	a	**61**	d
2	c	**17**	c	**32**	c	**47**	b	**62**	c
3	c	**18**	a	**33**	a	**48**	b	**63**	b
4	a	**19**	a	**34**	c	**49**	c	**64**	d
5	c	**20**	d	**35**	a	**50**	d	**65**	a
6	d	**21**	b	**36**	b	**51**	d	**66**	d
7	b	**22**	c	**37**	b	**52**	a	**67**	b
8	a	**23**	b	**38**	c	**53**	d	**68**	d
9	a	**24**	c	**39**	d	**54**	c	**69**	a
10	a	**25**	c	**40**	a	**55**	d	**70**	a
11	d	**26**	d	**41**	d	**56**	d	**71**	b
12	c	**27**	d	**42**	a	**57**	c	**72**	a
13	a	**28**	c	**43**	d	**58**	c	**73**	a
14	a	**29**	a	**44**	b	**59**	b	**74**	d
15	a	**30**	a	**45**	d	**60**	a	**75**	I: a / E: a

Your score _____ **out of 75** **Percentage** _____ **%**

Percentage = (Correct answers ÷ 75) × 100. In each district, the top 5 percentages across all categories win a laptop.

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