SAMPLE PAPER

Category B — Middle

Class 6, 7 & 8 • 60 MCQs • 60 Marks • Time: 75 minutes

B
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: **75 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: 75 منٹ

PAPER PATTERN

Section	Subject	Questions	MCQs	Marks
1	English	Q1 – Q15	15	15
2	Mathematics	Q16 – Q35	20	20
3	General Science	Q36 – Q50	15	15
4	GK, Social Studies & Computer	Q51 – Q60	10	10
	Total		**60**	**60**

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

ENGLISH

1. In *She sings beautifully*, the word **beautifully** is:
(a) a verb **(b)** an adjective
(c) an adverb **(d)** a noun

2. They ___ cricket since morning.
(a) are playing **(b)** play
(c) played **(d)** have been playing

3. *I had finished my work before he came.* The first part is in the:
(a) present perfect tense
(b) simple past tense
(c) past perfect tense
(d) past continuous tense

4. Passive voice of *Ali wrote a letter.*
(a) A letter was written by Ali.
(b) A letter has been written by Ali.
(c) A letter is written by Ali.
(d) A letter was wrote by Ali.

5. Passive voice of *They are building a house.*
(a) A house is built by them.
(b) A house is being built by them.
(c) A house was being built by them.
(d) A house has built by them.

6. He said, "I am tired." (Indirect speech)
(a) He said that I am tired.
(b) He said that he will be tired.
(c) He said that he was tired.
(d) He says that he is tired.

7. She said to me, "Close the door." (Indirect speech)
(a) She tell me to close the door.
(b) She told me that close the door.
(c) She told me to close the door.
(d) She said me to close the door.

8. A synonym of **brave** is:
(a) courageous **(b)** weak
(c) cowardly **(d)** lazy

9. An antonym of **ancient** is:
(a) old **(b)** historic
(c) antique **(d)** modern

10. Choose the correct spelling:
(a) recieve **(b)** recive
(c) receeve **(d)** receive

11. Choose the correctly punctuated sentence:
(a) where are you going? **(b)** where are you going.
(c) Where are you going **(d)** Where are you going?

12. He is good ___ mathematics.
(a) with **(b)** in
(c) at **(d)** on

13. In *The children are playing*, the word **children** is a:
(a) verb **(b)** adjective
(c) noun **(d)** pronoun

Read the passage and answer Q14 and Q15.

The Indus River begins in Tibet and flows through Pakistan before falling into the Arabian Sea. It gives water to farms in Punjab and Sindh. Many cities and villages are located along its banks.

14. Where does the Indus River fall?
(a) Into the Arabian Sea
(b) Into the Red Sea
(c) Into the Bay of Bengal
(d) Into the Caspian Sea

15. According to the passage, the river gives water to:
(a) the deserts of Africa
(b) Tibet only
(c) farms in Punjab and Sindh
(d) factories only

MATHEMATICS

16. $(-8) + 5 = ?$
(a) −13 **(b)** 3
(c) 13 **(d)** −3

17. $(-6) \times (-4) = ?$
(a) −10 **(b)** 10
(c) 24 **(d)** −24

18. $2^5 = ?$
(a) 32 **(b)** 25
(c) 64 **(d)** 10

19. $\sqrt{196} = ?$
(a) 12 **(b)** 14
(c) 16 **(d)** 13

20. $3^0 = ?$
(a) 30 **(b)** 3
(c) 1 **(d)** 0

21. Which of these is **not** a rational number?
(a) 3/4 **(b)** −5
(c) 0.25 **(d)** √2

22. The ratio 12 : 18 in its simplest form is:
(a) 4 : 6 **(b)** 2 : 3
(c) 3 : 2 **(d)** 6 : 9

23. 25% of 360 = ?
(a) 72 **(b)** 90
(c) 100 **(d)** 80

24. If 5 pens cost Rs 150, then 8 pens cost:
(a) Rs 240 **(b)** Rs 250
(c) Rs 230 **(d)** Rs 200

25. A shopkeeper buys an item for Rs 800 and sells it for Rs 1,000. His profit percentage is:
(a) 20% **(b)** 25%
(c) 200% **(d)** 15%

SAMPLE

26. Simple interest on Rs 5,000 at 10% per year for 2 years is:
(a) Rs 1,000 **(b)** Rs 10,000
(c) Rs 500 **(d)** Rs 1,500

27. Solve: 3x + 5 = 20
(a) x = 15 **(b)** x = 3
(c) x = 4 **(d)** x = 5

28. Simplify: 4a + 3b − 2a + b
(a) 2a + 2b **(b)** 2a + 4b
(c) 6a + 4b **(d)** 5ab

29. If x = 3, then $2x^2 - 1 = ?$
(a) 18 **(b)** 17
(c) 35 **(d)** 11

30. The sum of the angles of a triangle is:
(a) 90° **(b)** 270°
(c) 360° **(d)** 180°

31. Two angles are supplementary. If one angle is 65°, the other is:
(a) 115° **(b)** 25°
(c) 295° **(d)** 125°

32. The sum of the interior angles of a quadrilateral is:
(a) 180° **(b)** 540°
(c) 270° **(d)** 360°

33. The volume of a cube with side 4 cm is:
(a) 48 cubic cm **(b)** 12 cubic cm
(c) 64 cubic cm **(d)** 16 cubic cm

34. The mean of 4, 8, 6, 10 and 7 is:
(a) 6 **(b)** 35
(c) 8 **(d)** 7

35. The median of 9, 3, 7, 1 and 5 is:
(a) 5 **(b)** 7
(c) 3 **(d)** 9

GENERAL SCIENCE

36. Which part of the cell is called the *powerhouse* of the cell?
(a) Ribosome **(b)** Cell wall
(c) Mitochondria **(d)** Nucleus

37. Which organ pumps blood through the body?
(a) Heart **(b)** Kidney
(c) Liver **(d)** Lungs

38. Which gas is released during photosynthesis?
(a) Hydrogen **(b)** Nitrogen
(c) Carbon dioxide **(d)** Oxygen

39. The green pigment in leaves is called:
(a) haemoglobin **(b)** keratin
(c) chlorophyll **(d)** melanin

40. The chemical symbol of sodium is:
(a) So **(b)** S
(c) Na **(d)** Sd

41. Water (H_2O) is a:
(a) compound **(b)** metal
(c) mixture **(d)** element

42. Lemon juice is:
(a) a salt **(b)** acidic
(c) neutral **(d)** basic

43. A substance that turns red litmus paper blue is a(n):
(a) salt solution **(b)** pure water
(c) acid **(d)** base

44. The SI unit of force is the:
(a) watt **(b)** joule
(c) pascal **(d)** newton

45. The Moon shines because it:
(a) reflects sunlight **(b)** makes its own light
(c) is very hot **(d)** is on fire

46. Light travels in:
(a) zig-zag lines **(b)** curves
(c) straight lines **(d)** circles

47. Sound cannot travel through:
(a) iron **(b)** water
(c) air **(d)** a vacuum

48. The unit of electric current is the:
(a) watt **(b)** ampere
(c) volt **(d)** ohm

49. Like poles of two magnets:
(a) attract each other **(b)** have no effect
(c) repel each other **(d)** become non-magnetic

50. The main cause of smog in big cities is:
(a) sunlight
(b) trees
(c) smoke from vehicles and factories
(d) rain

GK, SOCIAL STUDIES & COMPUTER

51. Pakistan came into being on:
(a) 14 August 1947 **(b)** 11 September 1948
(c) 25 December 1876 **(d)** 23 March 1940

52. The Pakistan Resolution was passed in:
(a) 1947 **(b)** 1940
(c) 1956 **(d)** 1930

53. The highest mountain peak in Pakistan is:
(a) Tirich Mir **(b)** Rakaposhi
(c) K2 **(d)** Nanga Parbat

54. The ancient city of Mohenjo-daro is located in the province of:
(a) Punjab **(b)** Khyber Pakhtunkhwa
(c) Sindh **(d)** Balochistan

55. The famous block-printed shawl of Sindh is called:
(a) Ajrak **(b)** Pashmina
(c) Phulkari **(d)** Kashmiri shawl

SAMPLE

56. The headquarters of the United Nations is in:

(a) London **(b)** Paris
(c) New York **(d)** Geneva

57. Which of these is an **input** device?

(a) Speaker **(b)** Printer
(c) Keyboard **(d)** Monitor

58. MS Word is an example of:

(a) an input device **(b)** hardware
(c) software **(d)** a virus

59. Which part is called the *brain* of the computer?

(a) CPU **(b)** Monitor
(c) Mouse **(d)** Keyboard

60. (I) The holy book of Muslims is:

(a) the Zabur **(b)** the Bible
(c) the Torah **(d)** the Holy Quran

OR (for non-Muslim students)

60. (E) Respecting other people's beliefs and feelings is called:

(a) rudeness **(b)** jealousy
(c) greed **(d)** tolerance

— End of Questions —

SAMPLE

ANSWER SHEET

Category B — Middle • 60 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	a	b	c	d	26	a	b	c	d	51	a	b	c	d
2	a	b	c	d	27	a	b	c	d	52	a	b	c	d
3	a	b	c	d	28	a	b	c	d	53	a	b	c	d
4	a	b	c	d	29	a	b	c	d	54	a	b	c	d
5	a	b	c	d	30	a	b	c	d	55	a	b	c	d
6	a	b	c	d	31	a	b	c	d	56	a	b	c	d
7	a	b	c	d	32	a	b	c	d	57	a	b	c	d
8	a	b	c	d	33	a	b	c	d	58	a	b	c	d
9	a	b	c	d	34	a	b	c	d	59	a	b	c	d
10	a	b	c	d	35	a	b	c	d	60	a	b	c	d
11	a	b	c	d	36	a	b	c	d					
12	a	b	c	d	37	a	b	c	d					
13	a	b	c	d	38	a	b	c	d					
14	a	b	c	d	39	a	b	c	d					
15	a	b	c	d	40	a	b	c	d					
16	a	b	c	d	41	a	b	c	d					
17	a	b	c	d	42	a	b	c	d					
18	a	b	c	d	43	a	b	c	d					
19	a	b	c	d	44	a	b	c	d					
20	a	b	c	d	45	a	b	c	d					
21	a	b	c	d	46	a	b	c	d					
22	a	b	c	d	47	a	b	c	d					
23	a	b	c	d	48	a	b	c	d					
24	a	b	c	d	49	a	b	c	d					
25	a	b	c	d	50	a	b	c	d					

ANSWER KEY

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

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

Your score _____ **out of 60** **Percentage** _____ **%**

Percentage = (Correct answers ÷ 60) × 100. In each district, the top 5 percentages across all categories win a laptop.

SAMPLE