



FCO ASSESSMENT FOUNDATION

Section 8 Non-Profit Organisation • FCO 2026-27 Scholarship Assessment

SAMPLE QUESTION PAPER — CLASS 8

Intermediate Level • Assessment Window: January 2027

Total Questions	100 (Multiple Choice)
Maximum Marks	100
Duration	90 minutes
Marking Scheme	1 mark per correct answer • No negative marking
Medium	English
Answer Key	Provided at the end of this paper

Paper Structure

Section	Area Assessed	Questions	Marks
Section A	Subject Knowledge	1 – 20	20
Section B	Reasoning & Mathematics	21 – 40	20
Section C	General Knowledge & Current Awareness	41 – 60	20
Section D	Future Skills, Technology & AI Awareness	61 – 100	40

General Instructions

1. All questions are compulsory. Each question carries one mark.
2. Each question has four options; exactly one option is correct.
3. Darken only one circle per question on the OMR sheet. Multiple marks will be treated as incorrect.
4. Use a blue or black ballpoint pen. Rough work may be done on the space provided in the booklet.
5. Calculators, mobile phones and smart devices are not permitted in the examination hall.
6. This is a sample paper for practice. The actual paper will follow the same structure and difficulty.

FCO is a year-long student development journey. Every registered learner receives a detailed skill report, personalised guidance and continuous support through the assessment year — not just a score.

Section A — Subject Knowledge

Questions 1 to 20 • 20 marks

1. What is the value of 2 to the power -3?

- (A) 8 (B) 1/6
(C) 1/8 (D) -8

2. Which is the basic functional unit of the kidney?

- (A) Nephron (B) Alveoli
(C) Villi (D) Neuron

3. The process by which green plants make their own food is called

- (A) Excretion (B) Transpiration
(C) Photosynthesis (D) Respiration

4. Which gas is released during photosynthesis?

- (A) Hydrogen (B) Nitrogen
(C) Oxygen (D) Carbon dioxide

5. Rust on iron is an example of a

- (A) Mixture (B) Chemical change
(C) Physical change (D) Reversible change

6. Which microorganism is used to make curd from milk?

- (A) Protozoa (B) Virus
(C) Fungus (D) Bacteria

7. The SI unit of force is

- (A) Pascal (B) Newton
(C) Watt (D) Joule

8. Force that opposes relative motion between two surfaces is called

- (A) Gravity (B) Magnetism
(C) Tension (D) Friction

9. Which part of the plant conducts water from roots to leaves?

- (A) Xylem (B) Cambium
(C) Epidermis (D) Phloem

10. Identify the correctly punctuated sentence.

- (A) where are you going.
(B) where are you going
(C) Where are you going (D) Where are you going?

11. Choose the correct synonym of Brave.

- (A) Weak (B) Lazy
(C) Timid (D) Courageous

12. Choose the correct antonym of Ancient.

- (A) Old (B) Historic
(C) Modern (D) Aged

13. Which word is a verb in the sentence: She quickly ran to school?

- (A) Quickly (B) School
(C) She (D) Ran

14. The Quit India Movement was launched in the year

- (A) 1935 (B) 1942
(C) 1947 (D) 1930

15. Who wrote the national song Vande Mataram?

- (A) Rabindranath Tagore (B) Bankim Chandra Chattopadhyay
(C) Sarojini Naidu (D) Subhas Chandra Bose

16. The Indian Constitution came into effect on

- (A) 15 August 1947 (B) 2 October 1950
(C) 26 January 1950 (D) 26 November 1949

17. Who is known as the Father of the Indian Constitution?

- (A) Jawaharlal Nehru (B) Sardar Patel
(C) B. R. Ambedkar (D) Mahatma Gandhi

18. Which fundamental right guarantees equality before law?

- (A) Right against Exploitation (B) Right to Equality
(C) Right to Freedom (D) Right to Property

19. The Battle of Plassey was fought in which year?

- (A) 1600 (B) 1857
(C) 1764 (D) 1757

20. Which movement was associated with the slogan Do or Die?

- (A) Non-Cooperation Movement (B) Swadeshi Movement
(C) Civil Disobedience Movement (D) Quit India Movement

Section B — Reasoning & Mathematics

Questions 21 to 40 • 20 marks

21. If $3x + 5 = 20$, what is the value of x ?

- (A) 3 (B) 10
(C) 5 (D) 15

22. Find the next number in the series: 2, 4, 8, 16, ____

- (A) 32 (B) 18
(C) 24 (D) 20

23. What is the value of (5 squared) minus (3 squared)?

- (A) 16 (B) 8
(C) 25 (D) 4

24. The area of a square with side 7 cm is

- (A) 28 cm square (B) 56 cm square
(C) 14 cm square (D) 49 cm square

25. The perimeter of a rectangle with length 10 cm and breadth 5 cm is

- (A) 50 cm (B) 30 cm
(C) 15 cm (D) 20 cm

26. Simplify: 2 to the power 3 multiplied by 2 to the power 2

- (A) 2 to the power 5 (B) 2 to the power 1
(C) 2 to the power 6 (D) 4 to the power 5

27. What is the volume of a cube with side 4 cm?

- (A) 16 cm cube (B) 12 cm cube
(C) 64 cm cube (D) 48 cm cube

28. Pointing to a photograph, a man says the person is his mother's only son's son. Who is the person to the man?

- (A) His son (B) His brother
(C) His father (D) Himself

29. If A is coded as 1 and B as 2, what does 3-1-20 spell?

- (A) BAR (B) BAT
(C) CAT (D) CAR

30. A train travels 60 km in 1.5 hours. What is its speed?

- (A) 45 km per hour (B) 40 km per hour
(C) 50 km per hour (D) 30 km per hour

31. Which number is the odd one out: 4, 9, 16, 20, 25?

- (A) 20 (B) 25
(C) 4 (D) 9

32. Solve: 15 percent of 200 is

- (A) 30 (B) 35
(C) 20 (D) 25

33. The sum of angles in a triangle is

- (A) 90 degrees (B) 180 degrees
(C) 270 degrees (D) 360 degrees

34. If a car covers 240 km using 20 litres of fuel, its mileage is

- (A) 20 km per litre (B) 12 km per litre
(C) 15 km per litre (D) 10 km per litre

35. What comes next in the pattern: A, C, E, G, ____?

- (A) I (B) H
(C) K (D) J

36. The HCF of 12 and 18 is

- (A) 6 (B) 9
(C) 3 (D) 12

37. The LCM of 4 and 6 is

- (A) 16 (B) 8
(C) 12 (D) 24

38. A shopkeeper sells an item for Rs 220 after a profit of 10 percent. What was the cost price?

- (A) Rs 190 (B) Rs 195
(C) Rs 200 (D) Rs 210

39. If the ratio of boys to girls in a class is 3:2 and there are 30 boys, how many girls are there?

- (A) 10 (B) 25
(C) 20 (D) 15

40. Which is the smallest prime number?

- (A) 2 (B) 1
(C) 3 (D) 0

Section C — General Knowledge & Current Awareness

Questions 41 to 60 • 20 marks

41. Who is the current Prime Minister of India as per recent times?

- | | |
|-------------------|--------------------|
| (A) Narendra Modi | (B) Manmohan Singh |
| (C) Amit Shah | (D) Rahul Gandhi |

42. Which is the capital city of India?

- | | |
|---------------|-------------|
| (A) New Delhi | (B) Kolkata |
| (C) Mumbai | (D) Chennai |

43. Which Indian city is known as the Silicon Valley of India?

- | | |
|---------------|---------------|
| (A) Bengaluru | (B) Pune |
| (C) Chennai | (D) Hyderabad |

44. ISRO is India's space research organisation. What does ISRO stand for?

- | | |
|--|--|
| (A) International Space Research Office | (B) Indian Space Research Organisation |
| (C) Indian Science Research Organisation | (D) Indian Satellite Research Organisation |

45. Which Indian mission successfully landed near the Moon's south pole?

- | | |
|----------------|-------------------|
| (A) Gaganyaan | (B) Chandrayaan-2 |
| (C) Mangalyaan | (D) Chandrayaan-3 |

46. Which is the national animal of India?

- | | |
|--------------|-----------|
| (A) Elephant | (B) Tiger |
| (C) Leopard | (D) Lion |

47. Which river is known as the Ganga of the South?

- | | |
|-------------|--------------|
| (A) Narmada | (B) Godavari |
| (C) Krishna | (D) Kaveri |

48. Who is known as the Missile Man of India?

- | | |
|---------------------|--------------------------|
| (A) Homi Bhabha | (B) A. P. J. Abdul Kalam |
| (C) Vikram Sarabhai | (D) C. V. Raman |

49. Which is the longest river in India?

- | | |
|--------------|-----------------|
| (A) Ganga | (B) Brahmaputra |
| (C) Godavari | (D) Yamuna |

50. Which country hosted the G20 summit in 2023?

- | | |
|------------|---------------|
| (A) Brazil | (B) Indonesia |
| (C) Japan | (D) India |

51. Which organisation released the World Happiness Report?

- | | |
|--------------------|----------------|
| (A) WHO | (B) World Bank |
| (C) United Nations | (D) UNESCO |

52. What is the currency of Japan?

- | | |
|----------|-------------|
| (A) Yen | (B) Won |
| (C) Yuan | (D) Ringgit |

53. Which Indian state is known as the Land of Five Rivers?

- | | |
|---------------|-------------|
| (A) Rajasthan | (B) Haryana |
| (C) Gujarat | (D) Punjab |

54. The Sun rises in the east; in which direction does it set?

- | | |
|-----------|-----------|
| (A) South | (B) North |
| (C) East | (D) West |

55. Which festival is known as the Festival of Colours?

- | | |
|----------|--------------|
| (A) Holi | (B) Diwali |
| (C) Eid | (D) Baisakhi |

56. Which gas do plants absorb from the atmosphere for photosynthesis?

- | | |
|--------------------|--------------|
| (A) Carbon dioxide | (B) Hydrogen |
| (C) Oxygen | (D) Nitrogen |

57. What is the full form of UNICEF?

- | | |
|--|--|
| (A) United Nations Children Foundation | (B) United Nations International Cultural Fund |
| (C) United Nations International Children's Emergency Fund | (D) United Nations Council for Education |

58. Which planet is known as the Red Planet?

- | | |
|------------|-------------|
| (A) Saturn | (B) Mars |
| (C) Venus | (D) Jupiter |

59. Which Indian state recently became famous for hosting the Cricket World Cup final in 2023?

- | | |
|---------------|-------------|
| (A) Delhi | (B) Kolkata |
| (C) Ahmedabad | (D) Mumbai |

60. Which is the largest continent by area?

- (A) Africa (B) Antarctica
(C) Asia (D) Europe

**Section D — Future Skills,
Technology & AI Awareness**

Questions 61 to 100 • 40 marks

61. What does AI stand for in technology?

- (A) Applied Informatics (B) Advanced Interface
(C) Automatic (D) Artificial Intelligence Information

62. Which of these is an example of Artificial Intelligence application?

- (A) A bicycle (B) Voice assistants like Siri
(C) A paper book (D) A wooden chair

63. What is a computer algorithm?

- (A) A type of virus (B) A type of hardware
(C) A step-by-step set of instructions to solve a problem (D) A programming language

64. Which of the following is used to protect a computer from viruses?

- (A) Spreadsheet (B) Word processor
(C) Antivirus software (D) Web browser

65. What is the term for unwanted or harmful software designed to damage a computer?

- (A) Software (B) Malware
(C) Hardware (D) Firmware

66. Which of these is a strong password practice?

- (A) Sharing your password with friends (B) Using 1234 as password
(C) Using your name as password (D) Using a mix of letters numbers and symbols

67. What does the term Internet of Things (IoT) refer to?

- (A) A type of computer virus (B) A social media platform
(C) A search engine (D) Connecting everyday devices to the internet

68. Which company developed the ChatGPT AI chatbot?

- (A) OpenAI (B) Amazon
(C) Microsoft (D) Google

69. What is machine learning?

- (A) Manually programming every possible outcome (B) A type of internet connection
(C) A method where computers learn patterns from data (D) A hardware component

70. Which of these is considered cyberbullying?

- (A) Repeatedly sending hurtful messages online (B) Sharing educational content
(C) Sending helpful messages (D) Reporting a scam

71. What should you do if a stranger online asks for your personal information?

- (A) Ignore and continue chatting (B) Refuse and inform a trusted adult
(C) Share it immediately (D) Give a fake name only

72. Which of these is a safe online practice?

- (A) Downloading from unverified sites (B) Clicking on unknown links
(C) Verifying sources before sharing information (D) Sharing passwords publicly

73. What is data privacy?

- (A) Deleting all your files (B) Sharing data with everyone
(C) Protecting personal information from unauthorized access (D) Making all your data public

74. Which career field involves designing robots and automated systems?

- (A) Robotics (B) Culinary arts
(C) Journalism (D) Fashion designing

75. What is coding or programming?

- (A) Drawing pictures (B) Repairing hardware
(C) Writing instructions for a computer to perform tasks (D) Watching videos

76. Which of these is a popular beginner-friendly programming language for kids?

- (A) COBOL (B) SQL
(C) Assembly (D) Python

77. What is a database used for?

- (A) Editing photos (B) Storing and organizing data
(C) Browsing social media (D) Playing games

78. Which of these best describes cloud computing?

- (A) A physical storage device only (B) A type of printer
(C) Storing and accessing data over the internet (D) Predicting weather

79. What is the purpose of a firewall in computer security?

- (A) To play multimedia (B) To create documents
(C) To increase computer speed (D) To block unauthorized access to a network

80. Which skill is most important for future careers in a technology-driven world?

- (A) Avoiding new tools (B) Working alone always
(C) Memorizing facts only (D) Adaptability and problem-solving

81. What does the term automation mean?

- (A) Avoiding technology (B) Manually doing all tasks
(C) Using technology to perform tasks with minimal human effort (D) Deleting data

82. Which of these devices commonly uses AI to recommend videos or products?

- (A) A pencil (B) A paper map
(C) A calculator (D) Streaming and shopping apps

83. What is a QR code primarily used for?

- (A) Storing and sharing information quickly via scanning (B) Cooking food
(C) Charging phones (D) Measuring temperature

84. Which term describes the practice of using technology responsibly and ethically?

- (A) Cybercrime (B) Digital piracy
(C) Hacking (D) Digital citizenship

85. What is phishing in the context of cybersecurity?

- (A) A type of programming language (B) A method to catch fish
(C) A computer game (D) A fraudulent attempt to steal sensitive information

86. Which of these best represents renewable energy technology?

- (A) Petrol engines (B) Diesel generators
(C) Solar panels (D) Coal power plants

87. What is the main function of a search engine like Google?

- (A) To send emails only (B) To store photos permanently
(C) To find information on the internet (D) To edit videos

88. Which of these is an example of an emerging career in data science?

- (A) Blacksmith (B) Scribe
(C) Town crier (D) Data analyst

89. What does the abbreviation VR stand for in technology?

- (A) Virtual Reality (B) Verified Response
(C) Video Recording (D) Visual Rendering

90. Which of these best describes big data?

- (A) A short text message (B) Extremely large and complex data sets analyzed by computers
(C) Small files stored on a floppy disk (D) A single photograph

91. What is the main advantage of using cloud storage over local storage?

- (A) It is always free
- (B) It cannot be hacked
- (C) Access data from anywhere with internet
- (D) It never requires internet

92. Which of these is an example of an ethical concern related to AI?

- (A) Bias in AI decision-making
- (B) Better graphics
- (C) Faster calculations
- (D) Lower electricity bills

93. What is a chatbot?

- (A) A type of keyboard
- (B) A computer program that simulates conversation with users
- (C) A physical robot
- (D) A gaming console

94. Which skill combines creativity and coding to build websites and apps?

- (A) Tailoring
- (B) Pottery
- (C) Web development
- (D) Farming

95. What is the term for the gap between people who have access to technology and those who do not?

- (A) Digital divide
- (B) Technology boom
- (C) Internet speed
- (D) Data gap

96. Which of the following best describes cybersecurity?

- (A) Cooking meals
- (B) Protecting systems and data from digital attacks
- (C) Growing crops
- (D) Designing furniture

97. What is the purpose of two-factor authentication?

- (A) To add an extra layer of security when logging in
- (B) To slow down the computer
- (C) To increase screen brightness
- (D) To delete accounts

98. Which of these best describes an autonomous vehicle?

- (A) A manually driven truck
- (B) A horse-drawn cart
- (C) A car that can drive itself using AI and sensors
- (D) A bicycle

99. What does the term e-waste refer to?

- (A) Discarded electronic devices and equipment
- (B) Paper waste
- (C) Water pollution
- (D) Food waste

100. Which future skill involves working effectively with people from different backgrounds using digital tools?

- (A) Digital collaboration
- (B) Isolation
- (C) Memorization
- (D) Avoidance

Answer Key — Class 8 Sample Question Paper

Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	C	21	C	41	A	61	D	81	C
2	A	22	A	42	A	62	B	82	D
3	C	23	A	43	A	63	C	83	A
4	C	24	D	44	B	64	C	84	D
5	B	25	B	45	D	65	B	85	D
6	D	26	A	46	B	66	D	86	C
7	B	27	C	47	B	67	D	87	C
8	D	28	A	48	B	68	A	88	D
9	A	29	C	49	A	69	C	89	A
10	D	30	B	50	D	70	A	90	B
11	D	31	A	51	C	71	B	91	C
12	C	32	A	52	A	72	C	92	A
13	D	33	B	53	D	73	C	93	B
14	B	34	B	54	D	74	A	94	C
15	B	35	A	55	A	75	C	95	A
16	C	36	A	56	A	76	D	96	B
17	C	37	C	57	C	77	B	97	A
18	B	38	C	58	B	78	C	98	C
19	D	39	C	59	C	79	D	99	A
20	D	40	A	60	C	80	D	100	A

Section-wise Distribution of Answers

Section	Questions	A	B	C	D
Section A — Subject Knowledge	1 – 20	2	5	6	7
Section B — Reasoning & Mathematics	21 – 40	9	4	6	1
Section C — General Knowledge & Current Awareness	41 – 60	7	5	4	4
Section D — Future Skills, Technology & AI Awareness	61 – 100	10	7	13	10

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