



FCO ASSESSMENT FOUNDATION

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

SAMPLE QUESTION PAPER — CLASS 6

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. Which part of the plant conducts photosynthesis?

- (A) Stem (B) Flower
(C) Root (D) Leaf

2. What is the process by which plants lose water through leaves called?

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

3. Which gas do plants absorb during photosynthesis?

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

4. Identify the noun in the sentence: The dog barked loudly.

- (A) Barked (B) The
(C) Dog (D) Loudly

5. Choose the correct verb: She ___ to school every day.

- (A) gone (B) go
(C) going (D) goes

6. Which is an adjective in: The tall boy ran fast.

- (A) Fast (B) Ran
(C) Boy (D) Tall

7. Who was the first Emperor of the Maurya dynasty?

- (A) Bindusara (B) Harsha
(C) Chandragupta Maurya (D) Ashoka

8. The Indus Valley Civilization flourished mainly along which river?

- (A) Indus (B) Ganga
(C) Godavari (D) Yamuna

9. Which organ pumps blood in the human body?

- (A) Liver (B) Heart
(C) Brain (D) Lungs

10. What is the smallest unit of life called?

- (A) Cell (B) Organ
(C) Organelle (D) Tissue

11. Which state of matter has a fixed shape and volume?

- (A) Plasma (B) Solid
(C) Gas (D) Liquid

12. The freezing point of water is?

- (A) 100 degree Celsius (B) 50 degree Celsius
(C) 0 degree Celsius (D) 37 degree Celsius

13. Which part of the Constitution deals with Fundamental Rights?

- (A) Part V (B) Part III
(C) Preamble (D) Part X

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

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

15. Choose the correctly spelled word.

- (A) Recieve (B) Receive
(C) Receeve (D) Receve

16. Which word is a synonym of happy?

- (A) Joyful (B) Angry
(C) Tired (D) Sad

17. What is the antonym of brave?

- (A) Coward (B) Strong
(C) Bold (D) Fearless

18. Which of these is a renewable source of energy?

- (A) Sunlight (B) Coal
(C) Natural gas (D) Petroleum

19. The process of separating solid particles from a liquid using a filter is called?

- (A) Filtration (B) Condensation
(C) Sublimation (D) Evaporation

20. Which of these is an example of a lever?

- (A) Seesaw (B) Pulley
(C) Wheel (D) Wedge

Section B — Reasoning & Mathematics

Questions 21 to 40 • 20 marks

21. What comes next in the sequence: 2, 4, 6, 8, ___?

- (A) 12 (B) 11
(C) 9 (D) 10

22. Find the missing number: 5, 10, 15, ___, 25

- (A) 20 (B) 22
(C) 18 (D) 21

23. What is the value of 7×8 ?

- (A) 54 (B) 58
(C) 56 (D) 64

24. Simplify: 24 divided by 6

- (A) 6 (B) 5
(C) 4 (D) 3

25. What is the ratio of 10 to 20?

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

26. If $x + 5 = 12$, what is x ?

- (A) 7 (B) 5
(C) 6 (D) 8

27. Which number is a prime number?

- (A) 7 (B) 9
(C) 6 (D) 4

28. What is the perimeter of a square with side 5 cm?

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

29. Find the odd one out: 3, 6, 9, 10, 12

- (A) 10 (B) 6
(C) 3 (D) 12

30. What is the LCM of 4 and 6?

- (A) 10 (B) 12
(C) 8 (D) 24

31. How many sides does a hexagon have?

- (A) 5 (B) 6
(C) 8 (D) 7

32. What is 15% of 200?

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

33. Which shape has all sides equal and all angles 90 degrees?

- (A) Trapezium (B) Rhombus
(C) Rectangle (D) Square

34. If a train travels 60 km in 1 hour, how far in 3 hours?

- (A) 180 km (B) 120 km
(C) 200 km (D) 150 km

35. What is the next number in the pattern 1, 4, 9, 16, ___?

- (A) 24 (B) 30
(C) 20 (D) 25

36. Solve: 100 minus 37

- (A) 67 (B) 63
(C) 73 (D) 53

37. Which of these fractions is the largest?

- (A) $\frac{1}{2}$ (B) $\frac{1}{5}$
(C) $\frac{1}{4}$ (D) $\frac{1}{3}$

38. What is the HCF of 12 and 18?

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

39. A dozen equals how many items?

- (A) 12 (B) 10
(C) 11 (D) 13

40. If a shirt costs Rs 250 and is discounted by 10%, what is the new price?

- (A) Rs 225 (B) Rs 220
(C) Rs 240 (D) Rs 200

Section C — General Knowledge & Current Awareness

Questions 41 to 60 • 20 marks

41. Who is the current Prime Minister of India as of 2024?

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

42. Which is the national bird of India?

- (A) Sparrow (B) Parrot
(C) Peacock (D) Crow

43. What is the capital of India?

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

44. Which festival is known as the Festival of Lights?

- (A) Eid (B) Diwali
(C) Holi (D) Christmas

45. On which date is India's Republic Day celebrated?

- (A) 2 October (B) 14 November
(C) 15 August (D) 26 January

46. Which is the longest river in India?

- (A) Ganga (B) Yamuna
(C) Godavari (D) Narmada

47. Which sport is Sachin Tendulkar famous for?

- (A) Badminton (B) Cricket
(C) Hockey (D) Football

48. What is the currency of India?

- (A) Rupee (B) Dollar
(C) Yen (D) Pound

49. Which is the highest mountain peak in the world?

- (A) Kangchenjunga (B) Mount Everest
(C) K2 (D) Nanga Parbat

50. Who wrote the Indian National Anthem?

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

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

- (A) Rajasthan (B) Punjab
(C) Gujarat (D) Kerala

52. Which organisation recently landed Chandrayaan-3 near the Moon's south pole?

- (A) SpaceX (B) ISRO
(C) ESA (D) NASA

53. What is the term for the Indian Parliament's lower house?

- (A) Vidhan Parishad (B) Lok Sabha
(C) Rajya Sabha (D) Vidhan Sabha

54. Which day is celebrated as International Yoga Day?

- (A) 10 December (B) 21 June
(C) 1 May (D) 5 June

55. Which country hosted the 2023 Cricket World Cup?

- (A) India (B) England
(C) South Africa (D) Australia

56. What is the full form of UNICEF's parent organisation, the UN?

- (A) United Nations (B) Union of Nations
(C) United Nature (D) United Nationals

57. Which planet is known as the Red Planet?

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

58. 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

59. Which gas is most abundant in Earth's atmosphere?

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

60. What is the name of India's indigenous fighter jet?

- (A) Sukhoi (B) Rafale
(C) Tejas (D) Mirage

Section D — Future Skills, Technology & AI Awareness

Questions 61 to 100 • 40 marks

61. Which is the smallest continent by area?

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

62. What does CPU stand for?

- | | |
|-----------------------------|-------------------------------|
| (A) Central Program Utility | (B) Computer Personal Unit |
| (C) Central Processing Unit | (D) Central Processor Utility |

63. What does AI stand for?

- | | |
|---------------------------|-----------------------------|
| (A) Automatic Information | (B) Artificial Intelligence |
| (C) Advanced Internet | (D) Automated Interaction |

64. Which device is used to input text into a computer?

- | | |
|-------------|--------------|
| (A) Monitor | (B) Speaker |
| (C) Printer | (D) Keyboard |

65. What is the brain of the computer called?

- | | |
|---------|---------------|
| (A) RAM | (B) Hard disk |
| (C) CPU | (D) Monitor |

66. Which of these is an example of an operating system?

- | | |
|--------------------|-------------------|
| (A) Windows | (B) Google Chrome |
| (C) Microsoft Word | (D) PowerPoint |

67. What is the full form of WWW?

- | | |
|------------------------|--------------------|
| (A) World Web Wide | (B) World Wide Web |
| (C) World Wireless Web | (D) Wide World Web |

68. Which of these is used to protect a computer from viruses?

- | | |
|--------------------|------------------------|
| (A) Browser | (B) Word processor |
| (C) Printer driver | (D) Antivirus software |

69. What should you do if a stranger online asks for your home address?

- | | |
|--------------------------------------|------------------------------|
| (A) Never share personal information | (B) Share only your city |
| (C) Share it politely | (D) Ask a friend to share it |

70. Which of these is a strong password practice?

- | | |
|---------------------|--|
| (A) Using 123456 | (B) Using your birthdate |
| (C) Using your name | (D) Mixing letters numbers and symbols |

71. What is a robot?

- | | |
|-------------------------|--|
| (A) A type of plant | (B) A living being |
| (C) A human helper only | (D) A machine that can perform tasks automatically |

72. Which company developed the Android operating system?

- | | |
|---------------|------------|
| (A) Samsung | (B) Apple |
| (C) Microsoft | (D) Google |

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

- | | |
|-------------------------|---|
| (A) To store photos | (B) To play games |
| (C) To send emails only | (D) To find information on the internet |

74. Machine learning is a branch of which field?

- | | |
|-----------------------------|---------------|
| (A) Chemistry | (B) Biology |
| (C) Artificial Intelligence | (D) Geography |

75. What is cyberbullying?

- | | |
|----------------------------|--|
| (A) Learning coding online | (B) Playing online games with friends |
| (C) Sending helpful emails | (D) Using the internet to harm or threaten someone |

76. Which of these is an example of hardware?

- | | |
|------------------------|----------------------|
| (A) Antivirus software | (B) Operating system |
| (C) Keyboard | (D) Web browser |

77. What does the term software refer to?

- | | |
|--|----------------------------------|
| (A) The monitor screen | (B) Physical parts of a computer |
| (C) Programs and applications that run on a computer | (D) The mouse and keyboard |

78. Which of these is a safe online behaviour?

- | | |
|---|---------------------------------|
| (A) Logging out after using a public computer | (B) Clicking on unknown links |
| (C) Sharing passwords with friends | (D) Talking to strangers online |

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

- | | |
|-------------------------------|---|
| (A) To store files | (B) To block unauthorized access to a network |
| (C) To cool down the computer | (D) To increase internet speed |

80. Which of these best describes Artificial Intelligence?

- | | |
|--|---|
| (A) A system that mimics human intelligence to perform tasks | (B) A machine that can only add numbers |
| (C) A printer accessory | (D) A type of computer virus |

81. What is coding or programming?

- | | |
|---|-------------------------------|
| (A) Cleaning a computer screen | (B) Repairing hardware |
| (C) Writing instructions for a computer to follow | (D) Drawing pictures on paper |

82. Which of these is a popular block-based coding platform for beginners?

- | | |
|-------------|---------------|
| (A) Excel | (B) Scratch |
| (C) Notepad | (D) Photoshop |

83. What is a chatbot?

- | | |
|---|------------------------------|
| (A) A program that can converse with users using text or speech | (B) A hardware device |
| (C) A printer | (D) A type of computer virus |

84. Which of these devices can connect to the internet?

- | | |
|----------------|----------------|
| (A) Smartphone | (B) Calculator |
| (C) Torch | (D) Scissors |

85. What is cloud storage?

- | | |
|--|--------------------------------------|
| (A) Storing data on physical paper | (B) Storing data in the sky |
| (C) Storing data on remote servers accessed via the internet | (D) Storing data only on a hard disk |

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

- | | |
|-------------|-------------|
| (A) Monitor | (B) Mouse |
| (C) Printer | (D) Speaker |

87. Which of the following is an example of an output device?

- | | |
|-------------|--------------|
| (A) Mouse | (B) Keyboard |
| (C) Printer | (D) Scanner |

88. What does the term data mean in computing?

- | | |
|---|------------------------|
| (A) Facts and information processed by a computer | (B) Only text messages |
| (C) Only pictures | (D) Only numbers |

89. What is the main risk of sharing your location with unknown apps?

- | | |
|--------------------------------|---|
| (A) It saves battery | (B) It has no risk |
| (C) It improves internet speed | (D) It can compromise your privacy and safety |

90. Which of these is an example of an e-learning platform?

- | | |
|--------------|---------------|
| (A) Snapchat | (B) Instagram |
| (C) Byjus | (D) WhatsApp |

91. What is the term for unwanted or harmful software that can damage a computer?

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

92. Which technology allows devices to connect without wires?

- | | |
|---------------|--------------------|
| (A) USB cable | (B) HDMI cable |
| (C) Bluetooth | (D) Ethernet cable |

93. What should you do before downloading an app from an app store?

- | | |
|-------------------------------|--|
| (A) Download it immediately | (B) Check reviews and permissions required |
| (C) Share your password first | (D) Ignore all reviews |

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

- | | |
|---|------------------------|
| (A) To add an extra layer of security to accounts | (B) To share passwords |
| (C) To delete accounts | (D) To slow down login |

95. Which of these best defines the Internet of Things (IoT)?

- | | |
|---|------------------------|
| (A) A network of everyday devices connected to the internet | (B) A type of printer |
| (C) A single computer network | (D) A social media app |

96. What is a QR code used for?

- (A) Storing and quickly sharing information via scanning (B) Charging a phone
(C) Playing music (D) Cooling a device

97. Which of these is an example of a search engine?

- (A) Windows (B) Google
(C) Excel (D) Paint

98. What is digital footprint?

- (A) The size of a computer (B) The trail of data left behind by online activity
(C) A printer setting (D) A type of keyboard shortcut

99. Which of these is a benefit of using AI in daily life?

- (A) It always replaces humans completely (B) It has no use
(C) It can help with tasks like voice assistants and recommendations (D) It cannot make mistakes

100. What is the safest action if you receive a suspicious email with a link?

- (A) Click the link to see what happens (B) Reply with personal details
(C) Forward it to all your friends (D) Do not click and report or delete it

Answer Key — Class 6 Sample Question Paper

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

Section-wise Distribution of Answers

Section	Questions	A	B	C	D
Section A — Subject Knowledge	1 - 20	8	4	4	4
Section B — Reasoning & Mathematics	21 - 40	10	4	3	3
Section C — General Knowledge & Current Awareness	41 - 60	5	10	3	2
Section D — Future Skills, Technology & AI Awareness	61 - 100	11	8	12	9

© FCO Assessment Foundation • This sample paper is for practice purposes only and may be freely shared with students, parents and schools.