ALL ANSWERS MUST BE GIVEN ON THE ANSWER SHEET BY CROSSING THE CORRESPONDING LETTER

Number of Math M.C. Questions: 30   Time Allowed: 40 minutes

Questions on Page Numbers 1 to 6   Negative Marking: Yes

1. In which of the following expressions can we replace each occurrence of the number 8 by the same positive number (other than 8), and obtain the same result?

   A) $(8 + 8) \div 8 + 8$

   B) $8 \times (8 + 8) \div 8$

   C) $(8 + 8 - 8) \div 8$

   D) $8 + 8 - 8 + 8$

2. From the top of a lighthouse, a dog can see as far as 5 km. How far can 10 dogs see from the top of the same lighthouse?

   A) 50 km

   B) 100 km

   C) 10 km

   D) 5 km

3. Which of the following is the greatest number?

   A) $2 + 0 + 0 + 3$

   B) $2 \times 0 \times 0 \times 3$

   C) $(2 + 0) \times (0 + 3)$

   D) $(2 \times 0) + (0 \times 3)$

4. How many integers can one find in the interval from 2.09 to 15.3?

   A) 13

   B) 14

   C) 15

   D) 12

5. $\dfrac{2003 + 2003 + 2003 + 2003 + 2003}{2003 + 2003} = ?$

   A) 2003

   B) 6009

   C) 3

   D) $\dfrac{5}{2}$

6. What is the value of $2016 \div (2 + 0 + 16) - 2 \times 0 \times 16$?

   A) 1

   B) 0

   C) 2016

   D) 112

7. Asiya is 10 years old. Her mother Marium is 4 times as old. How old will Marium be when Asiya is twice as old as she is now?

   A) 50 years
   B) 60 years
   C) 70 years
   D) 80 years

8. $1 - 2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10 = ?$

   A) 0
   B) −5
   C) 5
   D) −1

9. which of the following expression is equal to the value of $(10 \times 100) \times (20 \times 80)$?

   A) 20000×8000
   B) 2000×80000
   C) 2000×800
   D) 200000×800

10. In one month, 5 Sundays occurred. This month could not have

    A) 5 Saturdays
    B) 5 Thursdays
    C) 5 Mondays
    D) 5 Fridays

11. In a plane, the rows are numbered from 1 to 25, but there is no row number 13. Row number 15 has only 4 passenger seats, all the rest have 6 passenger seats. How many seats for passengers are there in the plane?

    A) 142
    B) 138
    C) 144
    D) 148

12. Ahmed starts counting at the number 19 and keeps counting until 89. If he takes one second to stay each number how long does it take to count all the numbers?

    A) 1 min 10 s
    B) 1 min 11 s
    C) 1 min 19 s
    D) 1 min 29 s

13. There are 30 students in a class. They sit in pairs so that each boy with a girl, and exactly half of the girls are sitting with a boy. How many boys are there in the class

    A) 15
    B) 20
    C) 10
    D) 5

14. There are ten hens. Five of these hens each lay an egg every day. The other five hens each lay an egg every second day. How many eggs in total do the ten hens lay in a period of 10 days?

    A) 60
    B) 50
    C) 10
    D) 75

15. Which of the following fractions is smaller than 2

    A) $\dfrac{23}{12}$

    B) $\dfrac{19}{9}$

    C) $\dfrac{20}{9}$

    D) $\dfrac{22}{11}$

16. Lisa has 90 marbles. Anna has 10 more marbles than Lisa but 50 less marbles that Olle. How many marbles do they have together?

    A) 100
    B) 340
    C) 250
    D) 240

17. It takes Ahmed 30 minutes to cut a long log of wood into six pieces. How long does it take him to cut another log of wood into nine pieces?

    A) 48
    B) 45
    C) 54
    D) 40

18. A positive integer has three digits. The product of the digits is 135. What is the sum of the digits?

    A) 14
    B) 15
    C) 16
    D) 17

19. Today, Rafia added her age and her sister's age and obtained ten as the sum. What would the sum of their ages be after one year?

    A) 10
    B) 11
    C) 12
    D) 20

20. A dragon has three heads. Every time a hero cuts off one head, three new heads emerge. The hero cuts one head off, and then he cuts off one more head. How many heads does the dragon have now?

    A) 4
    B) 5
    C) 6
    D) 7

21. What is the three-quarter of $\dfrac{4}{3}$?

    A) $\dfrac{9}{16}$

    B) 1

    C) $\dfrac{16}{9}$

    D) $\dfrac{3}{4}$

22. The number 100 is multiplied either by 2 or by 3, then the result is increased either by 1 or by 2, and then the new number is divided either by 3 or by 4. If the final result is a natural number. What is the final result?

    A) There is more than one possible final result.
    B) 50
    C) 51
    D) 67

23. Grandmother made eleven cookies. She decorated five cookies with raisins and then seven cookies with nuts. At least how many cookies were decorated with both raisins and nuts?

   A) 5
   B) 2
   C) 1
   D) 7

24. In a box there are three smaller boxes, each one of which contains three even smaller boxes. How many boxes are there in total?

   A) 9
   B) 10
   C) 13
   D) 12

25. Amna has one Rs.5 coin, one Rs.10 note, one Rs.20 note and one Rs.50 note. How many different values can she make with these coin and notes?

   A) 4
   B) 7
   C) 10
   D) 15

26. In a shop you can buy oranges in boxes of three different sizes: boxes of 5 oranges, boxes of 9 oranges or boxes of 10 oranges. Ali wants to buy exactly 48 oranges. What is the smallest number of boxes he can buy?

   A) 7
   B) 8
   C) 4
   D) 5

27. In December Tosha-the-cat slept for exactly 3 weeks. How many minutes did he stay awake during this month?

   A) $(31 - 7) \times 3 \times 24 \times 60$
   B) $(31 - 7 \times 3) \times 24 \times 60 \times 60$
   C) $(31 - 7 \times 3) \times 24 \times 60$
   D) $(31 - 7) \times 24 \times 60$

28. Shakeel has to take a pill every 15 minutes. He took the first pill at 11:05. What time did he take the fourth pill?

    A) 12:05
    B) 11:50
    C) 11:55
    D) 11:45

29. Father gives 5 apples to each of his three children. Amna gives 3 apples to Kamran and then Kamran gives half of his apples to Nadeem. How many apples does Nadeem have now?

    A) 9
    B) 8
    C) 7
    D) 5

30. Daniyal had a package of 36 pieces of candy. Without breaking any pieces of candy, he divided all the candy equally among each his friends. Which number is not representing his number of friends?

    A) 2
    B) 3
    C) 4
    D) 5

Congratulations! You've finished math MCQs.
Please cross (×) Option E in the answer sheet corresponding to all unanswered MCQs.

(Stop. Do not turn over the next page until you are told to do so.)

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Number of **General Knowledge** M.C. Questions: 30   Time Allowed: 40minutes

Questions on Page Numbers 7 to 9   Negative Marking: Yes

31) Who is the current prime minister of Pakistan?
A)   Chaudhry Shujaat
B)   Nawaz Sharif
C)   Shahbaz Sharif
D)   Shahid Khaqan Abbasi

32) Name the capital of the United States of America
A)   New York City
B)   Johannesburg
C)   Washington State
D)   Washington DC

33) The National Assembly of Pakistan is called the_____
A)   Upper House of Parliament
B)   Lower House of Parliament
C)   Senate
D)   Chamber

34) Name the current Army Chief of Pakistan:
A)   General Ashfaq Parvez Kayani
B)   General Raheel Sharif
C)   General Asim Bajwa
D)   General Qamar Javed Bajwa

35) When was the last national election held in Pakistan?
A)   May 2013
B)   May 2014
C)   June 2013
D)   July 2012

36) Who is the current President of the United States of America?
A)   Barack Obama
B)   Donald Trump
C)   George W Bush
D)   Donald Tusk

37) Name the current Prime Minister of the Republic of India:
A)   Manmohan Singh
B)   Sonia Gandhi
C)   Narendra Modi
D)   Rahul Gandhi

38) When was the last national census carried out in Pakistan?
A)   2015
B)   1999
C)   2017
D)   1980

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39) Which one of the following is the most populated city of Pakistan?
A) Gwadar
B) Lahore
C) Faisalabad
D) Karachi

40) What does IMF stand for?
A) International Marketing Federation
B) International Management Fund
C) International Monetary Fund
D) International Monetary Finance

41) Name the current Chief Minister of Sindh:
A) Ghulam Ishaq Khan
B) Qaim Ali Shah
C) Murad Ali Shah
D) Zulfiqar Ali Shah

42) Who is the current President of Pakistan ?
A) Ishaq Dar
B) Mohammad Hussain
C) Asif Ali Zardari
D) Mamnoon Hussain

43) Benazir Bhutto was elected first female Prime Minister of Pakistan in:
A) 1980
B) 1981
C) 1988
D) 1983

44) Name the current Chief Minister of Khyber-Pakhtunkhwa:
A) Azam Khan Hoti
B) Ameer Haider Khan Hoti
C) Pervez Khan Khattak
D) Imran Khan

45) Who is presently the chief of Inter-Services Intelligence (ISI)?
A) General Asim Bajwa
B) General Zaheer-ul-Islam
C) General Naveed Mukhtar
D) General Rizwan Akhtar

46) Angela Merkel was elected as Chancellor of Germany for the _____ time.
A) First
B) Second
C) Third
D) Fourth

47) The Defence Secretary of United States is

A) John Kerry
B) James Mattis
C) Chuck Hagel
D) Ashton Carter

(go on to the next page)

48) Who is Emmanuel Macron?
- A) President of Germany
- B) Prime Minister of Germany
- C) President of France
- D) Prime Minister of France

49) The current Director of the Central Intelligence Agency (CIA) is:
- A) James Clapper
- B) John Brennan
- C) Denis McDonough
- D) Mike Pompeo

50) The fastest person of the world is the title currently held by:
- A) Kim Collins
- B) Usain Bolt
- C) Dwain Chambers
- D) Justin Gatlin

51) "Kashmir" is a disputed area between:
- A) India and Sri Lanka
- B) India and Bangladesh
- C) India and Pakistan
- D) Bangladesh and Pakistan

True and false:

52) Pakistan trades primarily in Euros:
- A) True
- B) False

53) Pakistan has a presidential system of government:
- A) True
- B) False

54) Pakistan is the only Muslim country in the world that is a nuclear power:
- A) True
- B) False

55) Imran Khan is the Chief Minister of Khyber-Pakhtunkhwa:
- A) True
- B) False

56) Sindh is the capital of Karachi:
- A) True
- B) False

57) NADRA is responsible for conducting elections in Pakistan:
- A) True
- B) False

58) Abdul Sattar Edhi is the first Pakistani to win a Nobel prize:
- A) True
- B) False

59) Euro is the official currency used by all EU countries :
- A) True
- B) False

60) Antonio Guterres is the current UN secretary general:
- A) True
- B) False

(Stop. Do not turn over the next page until you are told to do so.)

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<u>English M.C.Q's</u> (from 61 to 90)　　　　　　　　Time: 40 Minutes
Questions on Page Numbers: 10 To 12　　　　　　Negative Markings: **Yes**

Questions 61 - 70:
Read the passage given below. For each question, select the best option.

Robust economic growth is imperative for strong government revenue growth and, as a result, for ensuring adequate fiscal space for developmental spending, in particular social ____61____ spending. Such government expenditures are closely linked to inclusive growth and poverty reduction as improved level of spending is ____62____ with about 0.5 percent point decline in the poverty rate. Therefore, undertaking revenue boosting reforms to ____63____ fiscal space for higher public investments and social expenditures while supporting fiscal consolidation would help to make progress in reducing poverty. A better-educated work force provides a foundation for inclusive growth, as well as for continued poverty reduction. States in India that boosted spending on education and those that achieved progress on fundamental educational attainment had better inclusive growth outcomes. Furthermore, there is a positive association between a state's initial literacy rates and inclusive growth outcomes. Therefore, raising the quality of the ____64____ force through better access to education can help unlock a virtuous cycle of higher potential growth. Appropriate ____65____ market ____66____ and continued ____67____ reforms are critical for ____68____ growth. Sustaining robust and inclusive growth will ____69____ maintaining macro-financial stability, with particular attention to inflation risks. Lower inflation goes hand-in-hand with more inclusive growth and better poverty reduction outcomes. Also, states with relatively deeper bank credit achieved better growth, through boosting inclusiveness in particular. Safeguarding ____70____ stability is, therefore, critical for growth.

http://www.elibrary.imf.org/doc/IMF001/21270-9781484354230/212709781484354230/Other_formats/Source_PDF/21270-9781475527124.pdf

61.	A.	class	B.	sector	C.	segment	D. division
62.	A.	linked	B.	associated	C.	connected	D. related
63.	A.	make	B.	construct	C.	create	D. invent
64.	A.	personnel	B.	labour	C.	staff	D. workers
65.	A.	labour	B.	economic	C.	financial	D. employment
66.	A.	reforms	B.	procedures	C.	rules	D. policies
67.	A.	structural	B.	organizational	C.	essential	D. international
68.	A.	national	B.	financial	C.	population	D. economic
69.	A.	want	B.	desire	C.	require	D. expect
70.	A.	economic	B.	financial	C.	monetary	D. business

Questions 71 - 80: Select the best option.

71. Children usually _____ the actions of an abusive parent to their own behaviour, and may feel they deserve their treatment.
　　A. characterize　　　　B. attribute　　　　　C. exemplify　　　　D. ascribe

72. Women in ancient Greece during the Classical period had no independent _____, and their lives were devoted to looking after their families.
　　A. rank　　　　　　　B. eminence　　　　　C. class　　　　　　D. status

73. Cable companies are working hard these days to _____ high-speed Internet access services.
　　A. promote　　　　　B. encourage　　　　　C. foster　　　　　　D. authorize

74. I have _____ with your family doctor, and we both feel that an operation is unnecessary at this point.
　　A. advised　　　　　　B. referred　　　　　　C. conferred　　　　D. accessed

(go on to the next page)

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75. The maintenance of an ethnic culture is supported when the community _____ a recognizable territory.
    A. conquers   B. funds   C. colonizes   D. occupies
76. Nearly 90 percent of Canada's population is _____ within 160 kilometres of the United States/Canada border.
    A. living   B. concentrated   C. compressed   D. farming
77. Human hair and fingernails are the last part of the body to _____ after we die.
    A. dispel   B. disintegrate   C. degenerate   D. collapse
78. His measurements of the _____ of the room were not very accurate.
    A. dimensions   B. parts   C. enormities   D. shapes
79. Remodelling the kitchen was a huge _____ for us because we'd never done anything like it before.
    A. responsibility B. activity   C. vocation   D. undertaking
80. The government has _____ political asylum to those refugees from Kosovo who requested it.
    A. granted   B. allowed   C. offered   D. presented

Questions 81 - 90 are based on the following passages. For each question, select the best option.

Climate change is among the most pressing challenges that the world faces today. Given current atmospheric concentrations of greenhouse gases, the world is already committed to significant warming. This is a serious challenge, given the wide range of expected climate impacts on natural systems, as well as on human societies, as assessed in the most recent report of the Intergovernmental Panel on Climate Change (IPCC 2007). **[1]**

The severity of these impacts will depend in part on the outcomes of global efforts to **mitigate** climate change. Yet developing countries and poor populations everywhere remain the most vulnerable to the impacts of climate change. Even as poverty reduction and sustainable development remain at the core of the global agenda—as emphasized in the World Development Report 2010: Development and Climate Change—climate change threatens to undermine the progress that has been achieved to date. Urbanization is a defining phenomenon of this century. Developing countries are at the locus of this transformation. It is often repeated that more than half of the world's population is now urban. Most of the population of industrialized countries is urban, with numerous developing countries, particularly in Latin America, also highly urbanized. Many developing countries in other regions of the world are following the same path. **[2]**

This transformation represents a challenge, but also a huge opportunity. The World Development Report 'Reshaping Economic Geography' (World Bank 2009) framed this in a new paradigm: to harness the growth and development benefits of urbanization while proactively managing its negative effects. Cities concentrate wealth, people, and productivity, but they also concentrate vulnerability to natural disasters and to long-term changes in climate. Rising sea levels will affect millions of people living in coastal cities. Similarly, migration, changes in land use, and spatial development are likely to increase the vulnerability of populations to changes in weather and climatic conditions. Adaptation to climate change is therefore an imperative for cities, as it is for the world at large. The urgency of this challenge is also evident when considering the massive investments in buildings and infrastructure that cities in developing countries will undertake in the coming years, which will lock in urban form and structure for many decades thereafter. **[3]**

https://elibrary.worldbank.org/doi/pdf/10.1596/978-0-8213-8493-0

81. The author, in **paragraph 1,** apprehends negative impact of climate on
    A. natural systems but not on human societies.
    B. human societies and natural systems.
    C. human societies but not on natural systems.
    D. human societies or natural systems.

82. The word "**mitigate**" in **paragraph 2** is closest in meaning to

    A. palliative   B. allay   C. stop   D. diminish

83. In **paragraph 2** urbanization is identified as
    A. counterproductive.
    B. a serious threat to human race.
    C. a significant threat to sustainability.
    D. a crucial contemporary trend.

84. The author, **in paragraph 2**, maintains that in the present situation,
    A. poor population is a threat to environmental sustainability.
    B. poor, individuals and countries alike, suffer the most.
    C. developing countries cause climate change.
    D. climate change should be received positively.

85. Which of the following can be inferred from **paragraph 2**?
    A. urbanization was inevitable.
    B. rural population faces health hazards.
    C. urban population is growing.
    D. urbanization is essentially evil.

86. The first sentence of **paragraph 3** indicates that
    A. influx towards cities poses serious threats.
    B. every threat has an opportunity.
    C. emerging opportunities should not be ignored.
    D. it's imperative to identify challenges.

87. The source quoted in the last paragraph advised for
    A. concentrated efforts to manage population overflow.
    B. a dedicated focus on development needs.
    C. a long-term solution.
    D. a two-pronged approach.

88. '**Adaptation to climate change is therefore an imperative**…' refers to the need to
    A. understand climate change.
    B. synchronize efforts with new climatic realities.
    C. realize the upcoming damage.
    D. develop a disaster management plan.

89. In **Paragraph 3**, the author presents
    A. a situational analysis.
    B. a pro-urbanization argument.
    C. a contingency plan.
    D. a causal analysis.

90. The passage mainly discusses
    A. the factors that led to mass scale urbanization.
    B. benefits of urbanization for masses.
    C. the challenge of cities in the context of Climate Change.
    D. the correlation between industrialization and urbanization.