

SAMPLE QUESTION



UNIVERSITY OF DHAKA
Department of Development Studies
Master of Development Studies Programme
Qualifying Examination

TEST BOOKLET

Candidate's Name _____
Examination Serial Number _____
Examination Roll Number _____
Candidate's Signature _____

Signature of the Invigilator

INSTRUCTIONS FOR EXAMINEES

1. The duration of the test is 2 hours. The test consists of **two parts: Part – I**: MCQ questions for understanding the level of quantitative aptitude, knowledge on grammar, reading comprehension and analytical ability and **Part – II**: Writing Skills.
2. Write **Examination Serial Number and Roll Number** by using a ballpoint pen. In the OMR sheet appropriate digits corresponding to the examination serial and roll number must be filled in by using **ballpoint pen** only. Also write your name and put your signature in the appropriate places.
3. Answer MCQ questions by completely darkening the circle using **ballpoint pen**.
4. Do all your **rough work** in the margin of the test booklet.
5. Use of **calculator** and **mobile phone** in the examination hall is strictly prohibited.
6. Candidates are required to score a minimum acceptable mark in each part.
7. Adopting any sort of unfair means will result into cancellation of candidature.
8. Candidates must return answer script of **PART-I** at **11.00 A.M.** They **may start writing the answers of Part-II** if they complete **Part-I** before the stipulated time. Answering **Part-II** of the test booklet must be completed by **12:00 P.M.**

MARKS – PART I – 45

Q.N.	Marks	Score
1-50	45	

MARKS-PART II - 45

Q.N.	Marks	Score
1	5	
2	10	
3	10	
4	10	
5	10	
Total	45	

Part – III

Viva	10	
Grand Total	100	

PART – I: MCQ Questions (1-50)

MARKS – 45

Duration: 60 Minutes

Quantitative Aptitude (1-20)

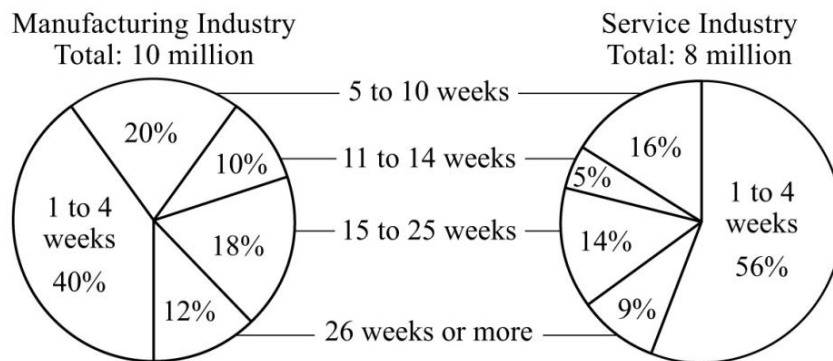
Marks – 10

- An investment is made at 12.5% annual simple interest. The number of years it will take for the cumulative value of the interest to equal the original investment is equal to which of the following?
(A) 4 (B) 5 (C) 6 (D) 7 (E) 8
- A tank that was full of oil was emptied into a 20- gallon bucket. If the oil fills 35% of the bucket's volume, then what is the total capacity of the tank in gallons?
(A) 8.75 (B) 15 (C) 16 (D) 17.5 (E) 19
- On Monday a class has 8 girls and 20 boys. On Tuesday a certain number of girls joined the class just as twice that number of boys left the class, changing the ratio of girls to boys to 7 to 4. How many boys left the class on Tuesday?
(A) 5 (B) 6 (C) 11 (D) 12 (E) 18
- An integer is randomly chosen from 2 to 20 inclusive. What is the probability that the number is prime?
(A) $\frac{5}{20}$ (B) $\frac{8}{19}$ (C) $\frac{7}{19}$ (D) $\frac{1}{15}$ (E) $\frac{8}{20}$
- If the hypotenuse of an isosceles right triangle is $8\sqrt{2}$, what is the area of the triangle?
(A) 18 (B) 24 (C) 28 (D) 32 (E) 64
- A certain automotive dealer sells only cars and trucks, and the ratio of cars to trucks on the lot is 1 to 3. If there are currently 51 trucks for sale, how many cars does the dealer have for sale?
(A) 17 (B) 34 (C) 68 (D) 153 (E) 204
- Maria uses a recipe for 36 cupcakes that requires 8 cups of flour, 12 cups of milk and 4 cups of sugar. How many cups of milk would she require for a batch of 9 cupcakes?
(A) 2 (B) 3 (C) 4 (D) 6 (E) 8
- The average of n and 11 is equal to $2n$, what is the average of n and $\frac{13}{3}$?
(A) 4 (B) $\frac{13n}{6}$ (C) 8 (D) $\frac{3n}{26}$ (E) None
- A 2 foot by 2 foot by 2 foot solid cube is cut into 2-inch by 2-inch by 4-inch rectangular solids. What is the ratio of the total surface area of all the resulting smaller rectangular solids to the surface area of the original cube?
(A) 2:1 (B) 4:1 (C) 5:1 (D) 8:1 (E) 10:1
- If $3^2 9^2 = 3^x$, what is the value of x ?
(A) 2 (B) 3 (C) 4 (D) 5 (E) 6
- The number that is 50% greater than 60 is what percent less than the number that is 20% less than 150?
(A) 5% (B) 10% (C) 15% (D) 20% (E) 25%

12. If $f(2a) = 2f(a)$ and $f(6) = 11$, which is the value of $f(24)$?
- (A) 22 (B) 24 (C) 44 (D) 66 (E) 88
13. In how many different ways can 3 identical green shirts and 3 identical red shirts be distributed among 6 children so that each child receives a shirt?
- (A) 20 (B) 40 (C) 216 (D) 720 (E) 629
14. Rahim lives in a house on a straight street. For years, there have been 16 houses on his street to the right of his house and 17 houses on his street to the left of his house. Last year, 5 new houses were built on the same street even further to the left of those houses to the left of Rahim's house. If these are the only houses on this street, how many houses are on this street?
- (A) 33 (B) 34 (C) 35 (D) 38 (E) 39
15. If r is divisible by 10 and s is divisible by 9, rs must have at least how many factors?
- (A) 2 (B) 4 (C) 12 (D) 14 (E) 16
16. Of the people in a certain survey, 58 percent were at most 40 years old and 70 percent were at most 60 years old. If 252 of the people in the survey were more than 40 years old and at most 60 years old, what was the total number of people in the survey?
- (A) 1900 (B) 2100 (C) 2400 (D) 2700 (E) 3000

Questions 17 to 20 are based on the following data

LENGTH OF UNEMPLOYMENT FOR WORKERS IN REGION X FOR TWO INDUSTRIES, 2003



Note: The circle graphs show the distributions of workers who were unemployed for at least 1 week in 2003, by length of unemployment, rounded to the nearest week.

17. In the circle graphs, the degree measure of the central angle of the sector presenting the number of workers unemployed for 11 to 14 weeks is how much greater in the manufacturing industry graph than in the service graph?
- (A) 5° (B) 10° (C) 15° (D) 18° (E) 20°
18. Which of the following could be the median length of unemployment, in weeks, for manufacturing industry workers who were unemployed for at least 1 week?
- (A) 4 (B) 8 (C) 12 (D) 16 (E) 20
19. If one of the workers in the manufacturing and service industries who were unemployed for at least 1 week will be randomly selected, what is the probability that the person selected will be a service industry worker who was unemployed for 26 weeks or more?
- (A) 0.04 (B) 0.09 (C) 0.21 (D) 0.40 (E) 0.90
20. The ratio of the number of manufacturing industry workers who were unemployed for 5 to 10 weeks to the number of service industry workers who were unemployed for 5 to 10 weeks is closest to which of the following
- (A) 5 to 4 (B) 6 to 5 (C) 3 to 2 (D) 5 to 2 (E) 7 to 6

Direction: Choose the appropriate synonym of the italic words (21-25)

21. The word *sanction* nearly means:
(A) verify (B) prohibit (C) plan (D) authorization (E) none of these
22. The word *gracious* has the closest same meaning to:
(A) gorgeous (B) haughty (C) courteous (D) grand (E) none of these
23. The word *profusion* has the closest same meaning to:
(A) certainty (B) proliferation (C) insipid (D) fervor (E) abundance
24. The word *recluse* has the closest same meaning to:
(A) loner (B) ecstatic (C) humorous (D) imaginary (E) sudden
25. The word *blight* has the closest same meaning to:
(A) damage (B) disdain (C) moderate (D) painful (E) pivot

Direction: Choose the best option to fill up the gap in the sentences

26. The bureaucrat was _____ for his role in the scam.
(A) reinstated (B) criticized (C) indicted (D) identified (E) modified
27. Not to ___ of milk, even water was not there.
(A) talked (B) speak (C) mention (D) discuss (E) none
28. You must get some fresh ___ for our visitors, this loaf is terribly _____.
(A) milk, salty (B) bread, stale (C) fruits, sweets (D) butter, good (E) vegetables, bad
29. A short journey for pleasure _____.
(A) jaunt (B) voyage (C) travelling (D) walking (E) none
30. The students are offended by the documentary as it contains unnecessary ___ in the dialogue.
(A) vulgarity (B) verbosity (C) vocalizations (D) tonality (E) talkativeness
31. With his sub-four-minute mile Bannister broke a psychological barrier, and inspired thousands of others to attempt to overcome seemingly _____ hurdles.
(A) insurmountable (B) inane (C) trivial (D) traumatic (E) ineffable

Direction: Complete the following sentences with appropriate prepositions

32. I slept nine o'clock.
(A) to (B) till (C) for (D) in (E) since
33. I commenced work 1st May.
(A) since (B) from (C) for (D) by (E) in
34. We walked the end of the street.
(A) till (B) to (C) for (D) through (E) from

Direction: Choose the word that is most nearly opposite in meaning to the word in the left

35. **Grouse**
(A) reflect (B) rekindle (C) restore (D) reject (E) rejoice
36. **Effrontery**
(A) resolution (B) candor (C) decorum (D) perplexity (E) mediation
37. **Commotion**
(A) desirability (B) likability (C) propensity (D) changeability (E) tranquility

Direction: Select that lettered pair which has the same relationship as the original pair of words

38. **TORQUE: ROTATION::**

(A) CENTRIFUGE: AXIS	(B) OSMOSIS: MEMBRANE	(C) TENSION: ELONGATION	(D) ELASTICITY: VARIATION	(E) GAS: PROPULSION
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39. **REDOLANT: SMELL::**

(A) CURIOUS: KNOWLEDGE	(B) LUCID: SIGHT	(C) TORPID: MOTION	(D) EPHEMERAL: TOUCH	(E) PIQUANT: TASTE
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40. **PROCTOR: SUPERVISE::**

(A) PROPHET: RULE	(B) PROFITEER: CONSUME	(C) PROFLIGATE: DEMAND	(D) PRODIGAL: SQUANDER	(E) PRODIGY: WONDER
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Reading Comprehension (41-45)

Marks – 2 × 5 = 10

On the basis of what is stated or implied in the passage, choose the best answer to each question.

The Sundarbans has once again embraced a cyclone before the storm ripped through several districts in Khulna division. However, primary assessments say Cyclone Bulbul has not taken a heavy toll on the coastal regions like before. How the Sundarbans has saved the country from the ravaging storm was one of the most talked-about topics on social media in the last two days and a voice for protecting the forest was raised once again. The forest department has imposed a temporary ban on tourists in the Sundarbans to heal the wounds of the forest, Moyeenuddin Khan, conservator of forest in Khulna circle, told The Daily Star yesterday. “Primarily, we are thinking of imposing a ban for at least one month and also a ban on fishing for 15 days. It will help the forest heal,” he said.

Officials of 63 camps in the forest have already started working to assess the damages caused by the cyclone, he said. Some pontoons, jetties and walkways of the forest department were damaged, he said, adding that no massive destruction of trees and animals in the forest were reported. Visiting the eastern part of the Sundarbans yesterday, our Khulna correspondent found a large number of fallen trees at different places. Meanwhile, Transparency International Bangladesh (TIB) yesterday called for highest efforts from the government to protect the Sundarbans as it acts like a shield to safeguard the country from various natural calamities. The anti-graft watchdog also urged the government to stop all kinds of industrialization, including the Rampal Power Plant, around the Sundarbans. TIB came up with the demand at a press statement issued yesterday.

The role of the Sundarbans in protecting the region from different natural calamities is unquestionable, the statement read. “The 6,170 square kilometer forest has been protecting the lives and resources in Bangladesh since many years,” said TIB Executive Director Dr. Iftekharuzzaman. The contribution of the forest has been recognized by all, including the government, the statement said. The process of constructing a coal-based power plant at the expense of the Sundarbans is still going on despite local and global concerns, it also said. Such an industrialization, which poses threat to the Sundarbans, goes against the government’s commitment to achieve the Sustainable Development Goals. (The Daily Star, Tuesday, November 12, 2019)

41. What is the basic argument of this passage?

(A) Sustainable development goals	(B) Alternative development approaches	(C) The role of the Sundarbans in protecting the coastal regions from different natural calamities	(D) Green governance	(E) Development disaster
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42. Why does the forest department impose a temporary ban on the tourists?

(A) To protect the forest from the outsiders.	(B) To reserve it only for the locals.	(C) To ease the Rampal Power Plant.	(D) To heal the wounds of the forest.	(E) They do not explain the reason.
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43. What could be the best possible title of this passage?

(A) Sundarbans again the Savior.	(B) Green Governance and Sundarbans.	(C) Development Disaster.	(D) Millennium Development Goals	(E) Sundarbans and the Rampal Power Plant.
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44. What is the basic argument of the third paragraph of this passage?

(A) Urge for highest efforts from the Government to	(B) To develop arguments against industrial	(C) Evaluation of the role of the Sundarbans in protecting this region	(D) Collaboration between stakeholders in	(E) This paragraph does not contain any message
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protect the Sundarbans.

development in the Sundarbans.

from natural calamities.

terms of forest conservation

45. Officials of 63 camps in the forest have already started working

- | | | | | |
|--|---|--|-----------------------------|--|
| (A) | (B) | (C) | (D) | (E) |
| To assess the damages caused by the cyclone. | To develop a master plan for the forest conservation. | To prohibit tourists from visiting the Sundarbans. | To impose a ban on fishing. | To assist stakeholders for industrial development in the Sundarbans. |

Analytical Ability (46-50)

Marks – 5

On the basis of the following scenario, choose the best answer to each question.

Six reviewers—Fahim, Jamil, Hasan, Jasmin, Kalam, and Laila—will review four movies—*Mohona*, *Rangbaaz*, *Sutorang*, and *Janani*—according to the following conditions:

- Each reviewer reviews exactly one movie, and each movie is reviewed by at least one of the six reviewers.
- Hasan reviews the same movie as Fahim.
- Laila reviews the same movie as exactly one other reviewer.
- Jamil reviews *Mohona*.
- Jasmin reviews either *Mohona* or else *Janani*.
- Hasan does not review *Janani*.

46. If Laila reviews *Sutorang*, which one of the following must be true?

- A. Hasan reviews *Rangbaaz*.
- B. Jasmin reviews *Sutorang*.
- C. Kalam reviews *Mohona*.
- D. Kalam reviews *Rangbaaz*.
- E. Kalam reviews *Janani*.

47. If Kalam does not review *Sutorang*, which one of the following must be true?

- A. Laila reviews *Mohona*.
- B. Laila reviews *Rangbaaz*.
- C. Laila reviews *Sutorang*.
- D. Fahim and Hasan review *Rangbaaz*.
- E. Fahim and Hasan review *Sutorang*.

48. Which one of the following can be true?

- A. Fahim and Jamil review *Mohona*.
- B. Fahim and Laila review *Janani*.
- C. Jamil and Jasmin review *Mohona*.
- D. Kalam reviews *Janani* and Laila reviews *Mohona*.
- E. Laila reviews *Rangbaaz* and Fahim reviews *Sutorang*.

49. Laila can review any of the following EXCEPT

- A. *Mohona* with Jamil
- B. *Mohona* with Kalam
- C. *Rangbaaz* with Kalam
- D. *Sutorang* with Kalam
- E. *Janani* with Jasmin

50. If Kalam reviews the same movie as exactly one other reviewer, which one of the following is a complete and accurate list of the movies any one of which could be the movie that these two reviewers review?

- A. *Mohona*, *Rangbaaz*
- B. *Mohona*, *Sutorang*
- C. *Rangbaaz*, *Sutorang*
- D. *Mohona*, *Sutorang*, *Janani*
- E. *Rangbaaz*, *Sutorang*, *Janani*

PART – II: Writing Skill (1-5)

Marks – 45

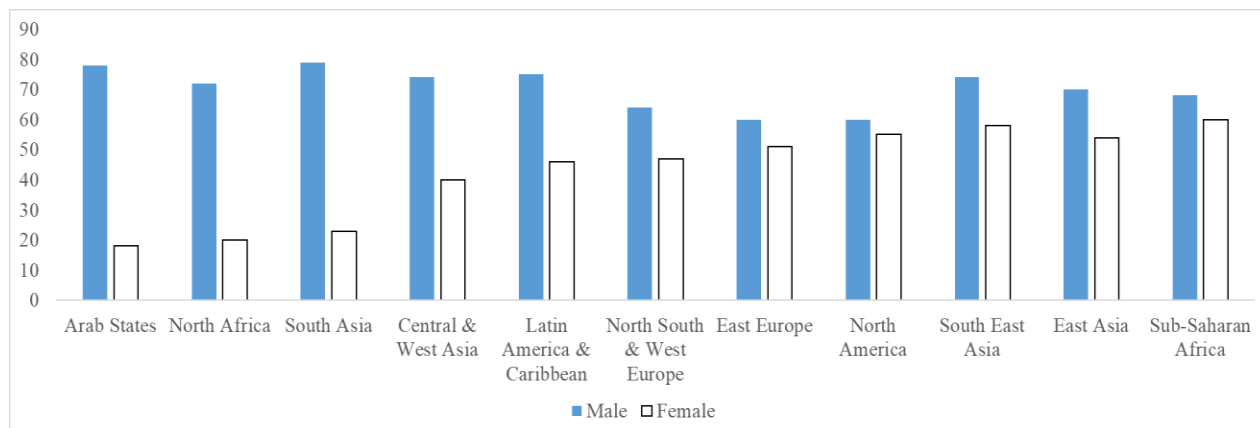
Duration – 60 Minutes

1. Analyze and interpret the following figure in your own words.

Marks –

5

Figure 1: Male and female labor force participation rate in 2018



Source: Data from World Employment and Social Outlook: Trends for Women 2018 – Global Snapshot. Geneva: ILO, 2018; Table 1.

Answer:

2. Make a comparative assessment of inequality in Bangladesh, based upon the data collated by the Bangladesh Bureau of Statistics.

[Marks 10]

Table 1: Income inequality (Gini coefficient) in Bangladesh 1991-2016

Year	1991-92	1995-96	2000	2005	2010	2016
National	0.39	0.43	0.45	0.47	0.46	0.48
Rural	0.36	0.38	0.39	0.43	0.43	0.45
Urban	0.4	0.44	0.5	0.5	0.45	0.5

Sources: Reports of Household Income and Expenditure Surveys, various years.

Answer:

3. Translate the following paragraph into Bangla.

Marks - 10

"Progress" is not a neutral term; it moves toward specific ends, and these ends are defined by the possibilities of ameliorating the human condition. Advanced industrial society is approaching the stage where continued progress would demand the radical subversion of the prevailing direction and organization of progress. This stage would be reached when material production (including the necessary services) becomes automated to the extent that all vital needs can be satisfied while necessary labor time is reduced to marginal time. From this point on, technical progress would transcend the realm of necessity, where it served as the instrument of domination and exploitation which thereby limited its rationality; technology would become subject to the free play of faculties in the struggle for the pacification of nature and of society.

Source: 'One-Dimensional Man' by Herbert Marcuse (1964). Page 18

Answer:

4. Write a précis on the following passage in no more than one third of its length. The précis should be as far as possible in your own words. Suggest a suitable title too. Marks – 10

“I wish to speak of a ... “two cultures” syndrome—the apparent gap between those espousing the case for faster economic growth and those calling for greater attention to protection of the environment. On the face of it, there should be no gap at all—who can argue against faster economic growth since that alone will generate more jobs and at the same time who can argue against the preservation of our rivers, lakes, mountains and wonderful biodiversity in its myriad forms, since that alone will make for sustainable development. But I am afraid that the two groups are not talking to each other—they are talking at each other and with every passing day, the gap seems to be widening. It seems so for a number of reasons. For one, our growth aspirations themselves have changed perceptibly and anything less than an 8-9% annual rate of real GDP growth is deemed a “slowdown”. For another, an energetic and exuberant environmental community has emerged with a very large number of well-educated youngsters in its vanguard. And, of course, our track record on environmental management certainly does not inspire much confidence. ...
... Part of the problem arises from the fact that we do not have a system of “green accounting”. Economists estimate GDP which is gross domestic product as a broad measure of national income and also estimate NDP which is net domestic product which accounts for the use of physical capital. But as yet, we have no generally accepted system to convert *Gross Domestic Product* into *Green Domestic Product* that would reflect the use up of precious depletable natural resources in the process of generating national income.”

[Source: Ramesh J. (2010) THE TWO CULTURES REVISITED: SOME REFLECTIONS ON THE ENVIRONMENT-DEVELOPMENT DEBATE IN INDIA, 11th ISRO-JNCASR Satish Dhawan Memorial Lecture delivered at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore]

Answer:

5. Write an essay on the following topic.

Marks – 10

The University I Dream of

Answer: