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TR/CTSPTS/GS-I/19

TEST BOOKLET GENERAL STUDIES PAPER-I

Test Booklet Series



Maximum Marks: 150

(Signature of the Candidate)

(Invigilator's Signature)

Time Allowed: 3 hours (Three hours)

INSTRUCTIONS

- PLEASE CHECK THE TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO GET IT REPLACED BY A COMPLETE TEST BOOKLET.
- 2. ENCODE CLEARLY THE TEST BOOKLET SERIES IN THE APPROPRIATE PLACE IN THE ANSWER SHEET BY BLACK BALL POINT PEN ONLY.
- 3. (a) This Test Booklet is divided into three sections, i.e. Section-I, Section-II and Section-III.
 - (b) Section-I (MCQ pattern) contains 100 items (questions). Each question, carrying one (1) mark only, has four responses (answers). You will select the response which you want to mark on the OMR Sheet. In case you feel that there is more than one correct response, mark the response which you consider the most appropriate. In any case, choose ONLY ONE response for each item.
 - (c) Questions under Section-II and Section-III (both are Conventional Method) contain 25 marks each is to be answered in separate Answer Books. 2 (two) Answer Books will be supplied to each candidate for writing answers of Section-II and Section-III. Answers to Section-III and Section-III must be written either in English or in Bengali. It must not be answered partly in English and partly in Bengali. This instruction should be followed scrupulously.
- You have to mark all your responses of Section-I by Black Ball Point Pen only on the separate Answer Sheet provided. See directions in the Answer Sheet.
- Before you proceed to answer the responses to various items in the Test Booklet, you have to fill in some particulars both in the OMR Answer sheet for section-I and in the Answer book for Section-II and Section-III.
- On completion of the Examination, you should handover the OMR Answer sheet for Section-I and Answer
 Books for Section-II and Section-III to the inivigilator only. You are permitted to take the Test Booklet
 with you.
- 7. Sheets for rough work are appended on the Test Booklet at the end.
- 8. Penalty for wrong answers for Section-I only:
 - (a) There will be four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-fourth of the marks assigned to that question will be deducted as penalty.
 - (b) If a candidate gives more than one answer, it will be treated as a Wrong Answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (c) If a question is left blank, i.e. no answer is given by the candidate, there will be **no penalty** for that question.

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SECTION - I

Four options are given against each of the following questions. Select the best/correct option from among the four options and encode in the answer sheet by using **Black Ball Point pen** only as per example given below:

Example: The wheel in our National Flag has

(A) 20 spokes

(B) 24 spokes

(C) 30 spokes

(D) 25 spokes

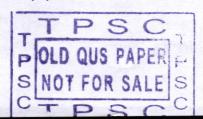
Answer: (A)

- B
- (C)
- (D)

- 1. Under which river in India the first underwater river tunnel was dug to lay train tracks?
 - (A) Jhelum
 - (B) Teesta
 - (C) Chambal
 - (D) Hoogly

- The Jammu and Kashmir Reorganisation Act received the assent of President of India on —.
 - (A) 5th August, 2019
 - (B) 6th August, 2019
 - (C) 9th August, 2019
 - (D) 7th August, 2019
- 2. The 22nd National Conference on e.Governance was held at ——.
 - (A) Shillong (Meghalaya)
 - (B) Hyderabad (Telangana)
 - (C) Aurangabad (Maharashtra)
 - (D) Panchkula (Telengana)

- 4. According to Ethnologue which country has most languages ?
 - (A) Nigeria
 - (B) Papua New Guinea
 - (C) Indonesia
 - (D) India



5. As per "All India Tiger Estimation Report, 2018, which one of the given below States has highest number of tigers?	9. Which company inaugurated its World's largest campus in Hyderabad ?(A) Snapdeal(B) Eliphort
(A) Madhya Pradesh	(B) Flipkart
(B) Karnataka	(C) Amazon (D) Jabong
(C) Uttarakhand	(D) Judong
(D) Maharashtra	10. Among the following, which status Ladakh seeks to protect their land,
The theme of '2019 International Youth	culture and identity?
Day' is ——	(A) Statehood
(A) Transforming Education	(B) Tribal-area
(B) Youth for Peace	(C) Restricted zone
(C) Sustainable development	(D) Regional State
(D) Youth for Nation building The first World Youth Conference on Kindness was held at ——	11. What is the name of the contemporary artist who became the first Indian to be awarded the 'Joan Miro' prize?
(A) Mumbai	(A) Nalini Malini
(B) Allahabad	(B) M. F. Hussain
(C) Chennai	(C) S. H. Raza
(D) New Delhi	(D) Arpita Singh
Which country has unveiled Bavar - 373 missile long-range, surface-to-air missile defense system?	12. The name of the space telescope used to discover the 18th hidden earth sized Exo-planets is
(A) Iran	(A) Hubble
(B) France	(B) Kepler
(C) China	(C) Herschel
Berger Carlotte and Carlotte an	(D) Spitzer
(D) Russia	
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- 13. Name the first village in India to have zero wooden stoves and no use for LPG cylinders and relying on solar powered stoves.
 - (A) Marayoor village, Idukki district, Kerala
 - (B) Rasra village, Ballia district, Uttar Pradesh
 - (C) Anandpura village, Ahmedabad district, Gujarat
 - (D) Bancha village, Betul district, Madhya Pradesh
- 14. What is the rank of India in the 'Global Peace Index 2019' released recently by Institute of Economics and Peace?
 - (A) 125
 - (B) 141
 - (C) 112
 - (D) 87
- 15. Where was the 3rd edition of 'Namaste Thailand Festival 2019' held?
 - (A) Bengaluru
 - (B) Agra
 - (C) New Delhi
 - (D) Vadodara
- 16. Which year is set by Government of India as the target year to end Tuberculosis?
 - (A) 2030
 - (B) 2022
 - (C) 2020
 - (D) 2025

- 17. The name of the operation launched by Indian Navy in the Gulf of Oman to undertake maritime security
 - (A) Operation Sankalp
 - (B) Operation Gulf Peace
 - (C) Operation Sagar
 - (D) Operation Maritime
- 18. What is the name of the NASA's first Astrobee robot to fly under its own power in space?
 - (A) The Terminator
 - (B) Slug Bot
 - (C) Bumble
 - (D) Leonardo
- 19. With which highest civilian award Prime Minister Narendra Modi was honoured by United Arab Emirates?
 - (A) Order of Zayed
 - (B) Order of Mubarak
 - (C) Order of Zolfaghar
 - (D) Amir Amanullah Khan award
- 20. Which country sent life sized robot to the International Space Station (ISS) on August 23, 2019?
 - (A) Japan
 - (B) China
 - (C) USA
 - (D) Russia



- 21. Name the Indian-American teenager who has won the '2019 South Asian Spelling Bee' contest.
 - (A) Chethan Sharma
 - (B) Navneeth Murali
 - (C) Sunil Mehta
 - (D) Adarsh Datta
- Annual 'Konkan 2019' naval exercise was conducted with the participation of India and
 - (A) Russia
 - (B) Japan
 - (C) UK
 - (D) New Zealand
- 23. Where the 'BRICS' Ministers of Environment meeting, 2019 was held?
 - (A) Sao Paulo Brazil
 - (B) New Delhi India
 - (C) Beijing China
 - (D) Kostroma Russia
- 24. Who among the following has been awarded with 'Ramon Magsaysay' award, 2019 ?
 - (A) Rajdeep Sardesai
 - (B) Rajat Sharma
 - (C) Vinod Dua
 - (D) Ravish Kumar

- 25. 'World Immunization Week' is observed annually in the last week of
 - (A) April
 - (B) June
 - (C) October
 - (D) November
- 26. Which is the correct order to show units from largest to smallest?
 - (A) Millilitres, decilitre, litre
 - (B) Litre, decilitre, millilitre
 - (C) Decilitre, millilitre, litre
 - (D) Litre, millilitre, decilitre
- 27. The brain of any computer system is
 - (A) ALU
 - (B) Memory
 - (C) Control unit
 - (D) CPU
- 28. Widal test is employed to diagnose
 - (A) Typhoid
 - (B) Cholera
 - (C) Tuberculosis
 - (D) AIDS

- 29. In medical terminology, USG stands for
 - (A) Undersized gland
 - (B) Ultrasonography
 - (C) Unsegmented gonads
 - (D) None of the above
- 30. The physical quantity which is measured as Kg m/s² is
 - (A) Work
 - (B) Power
 - (C) Force
 - (D) Motion
- 31. Which of the following statements is correct?
 - (A) Protons are negatively charged and are present in the nucleus
 - (B) Electrons are positively charged and are present in the nucleus
 - (C) Electrons are negatively charged and are present in the orbits
 - (D) The entire mass of atom is distributed in the orbits.
- 32. ELISA stands for
 - (A) Enzyme-linked immunosorbent assay
 - (B) Epithelium lesions in surface analysis
 - (C) Energy-linked immunity assay
 - (D) Enzyme-linked immunity analysis

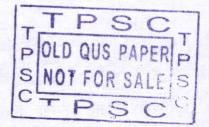
- 33. Boiling point of water inside a sealed pressure cooker is
 - (A) 100°C
 - (B) 121°C
 - (C) 95°C
 - (D) 0°C
- 34. Which of the following cell organelles is referred to as the 'suicidal bags' or 'disposal units'?
 - (A) Lysosome
 - (B) Peroxisomes
 - (C) Glyoxisomes
 - (D) Mitochondria
- 35. Dengu is caused by
 - (A) Bacteria
 - (B) Protozoa
 - (C) Virus
 - (D) Genetic disorder
- 36. Which of the following is <u>not</u> a property of acids?
 - (A) All acids have sour taste
 - (B) All acids are corrosive in nature
 - (C) For acidic solutions pH = < 7
 - (D) Acids turn red litmus to blue

- 37. Magnification produced by a rear view mirror fitted in vehicles
 - (A) is less than the object
 - (B) is more than the object
 - (C) is equal to the object
 - (D) can be more or less than the object depending upon the position of object in front of it.
- 38. Which of the following is <u>not</u> a renewable source of energy?
 - (A) Natural gas
 - (B) Geothermal energy
 - (C) Flowing water
 - (D) Biomass
- 39. Which of the following cells produce immune response in human body?
 - (A) Red blood cells
 - (B) White blood cells
 - (C) Epithelical cells
 - (D) Adipose cells
- 40. Which of the following is not a viral disease?
 - (A) Tuberculosis
 - (B) Polio
 - (C) Swine flu
 - (D) Hepatitis

- 41. Who is known as the 'Father of Green Revolution' in India?
 - (A) K. C. Mehta
 - (B) B.P. Paul
 - (C) M. S. Swaminathan
 - (D) C. Subramaniyam
- 42. Opium is derived from which part of poppy plant?
 - (A) Seeds
 - (B) Leaves
 - (C) Bark
 - (D) Capsule
- 43. When was Edusat launched?
 - (A) October, 1988
 - (B) June, 2001
 - (C) September, 2004
 - (D) March 2008
- 44. Which of the following statements is not correct?
 - (A) Rh⁺ person can donate blood to Rh⁺ person
 - (B) Rh⁻ person can donate blood to Rh⁻ person
 - (C) Rh⁻ person can donate blood to Rh⁺ person
 - (D) Rh⁺ person can donate blood to Rh⁻ person

- 45. Which of the following is not a biofertilizer?
 - (A) Rhizobium
 - (B) Mucor
 - (C) Azotobacter
 - (D) Anabaena
- 46. What is the rarest blood type in the world?
 - (A) A
 - (B) O positive
 - (C) AB-
 - (D) B
- 47. Which of the following lenses would you prefer to read small letters in a dictionary?
 - (A) A convex lens of focal length 50 cm
 - (B) A concave lens of focal length 50 cm
 - (C) A convex lens of focal length 5 cm
 - (D) A concave lens of focal length 5 cm
- 48. Time during which a job is processed by the computer is
 - (A) Delay time
 - (B) Real time
 - (C) Down time
 - (D) Execution time

- 49. The force responsible for the flow of water in river is
 - (A) Force of gravitation
 - (B) Force of friction
 - (C) Electrostatic force
 - (D) Magnetic force
- 50. Which of the following statements is not true about Bt cotton?
 - (A) Bt cotton has increased profit margin of farmers
 - (B) Use of insecticides has reduced significantly
 - (C) Seeds of Bt cotton are cheaper than non-GM seeds
 - (D) Since the use of Bt cotton India's cotton export has doubled.
- 51. The sum of all odd numbers from 1 to 51 is
 - (A) 676
 - (B) 625
 - (C) 576
 - (D) 696
- 52. The greatest 3 digit number which is divisible by 7 is
 - (A) 998
 - (B) 976
 - (C) 994
 - (D) 987



- 53. The product of place value and face value of 5 in 65231 is
 - (A) 28000
 - (B) 25000
 - (C) 27000
 - (D) 26000
- 54. Which among $3\sqrt{8}$, 3, $\sqrt[3]{1000}$, 5 is greatest?
 - (A) 5
 - (B) 3
 - (C) ³√8·
 - (D) ³√1000
- 55. If $\frac{2}{3}$ rd part of a number is greater by

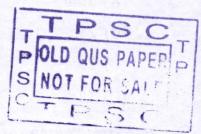
7 than $\frac{3}{5}$ th of it, then the number is

- (A) 60
- (B) 105
- (C) 150
- (D) 120
- 56. H. C. F. of $\frac{4}{9}$, $\frac{10}{21}$ and $\frac{20}{63}$ is
 - (A) $\frac{1}{21}$
 - (B) $\frac{5}{63}$
 - (C) $\frac{2}{63}$
 - (D) None of the above

- 57. If A's income is 25% more than B's income, then B's income is less than that of A's by
 - (A) $16\frac{2}{3}\%$
 - (B) 12%
 - (C) 20%
 - (D) None of the above
- 58. If 20% of an electricity bill is deducted, then Rs.100 is still to be paid. What is the amount of original bill?
 - (A) Rs. 110
 - (B) Rs. 115
 - (C) Rs.120
 - (D) Rs.125
- 59. Of 336 kg what per cent is 42 kg?
 - (A) 12.5%
 - (B) 10.5%
 - (C) 13%
 - (D) 7%
- 60. The average age of 7 family members is 75 years, but the average age of 6 of them is 74 years. What is the age of the 7th family member?
 - (A) 80 years
 - (B) 81 years
 - (C) 75 years
 - (D) 70 years

- 61. The average of three numbers is 77. The first number is twice the second and the second number is twice the third. Then the first number is
 - (A) 33
 - (B) 77
 - (C) 66
 - (D) 132
- 62. The ratio of the present age of father to that of son is 7:2. After 10 years their ages will be in the ratio of 9:4. The present age of father is
 - (A) 35 years
 - (B) 40 years
 - (C) 30 years
 - (D) 25 years
- 63. The ratio of number of girls and boys participating in school sports is 4:5. If the number of girls is 212, the number of boys participating in sports is
 - (A) 256
 - (B) 265
 - (C) 251
 - (D) 270
- 64. A fruit seller buys oranges at 2 for a rupee and sells them at 5 for 3 rupees. His gain per cent is
 - (A) 10%
 - (B) 15%
 - (C) 20%
 - (D) 25%

- 65. By selling a car for Rs. 54,000 a carseller gains 20%, then the cost price for the car is
 - (A) Rs. 50,000
 - (B) Rs. 48,000
 - (C) Rs. 52,000
 - (D) Rs. 45,000
- 66. If A and B together can complete a work in 18 days, A and C together in 12 days and B and C together in 9 days, then B alone can do the work in
 - (A) 18 days
 - (B) 24 days
 - (C) 30 days
 - (D) 40 days
- 67. S can copy 50 pages in 10 hours, S and P together can copy 300 pages in 40 hours. In how much time P can copy 30 pages?
 - (A) 13 hours
 - (B) 11 hours
 - (C) 12 hours
 - (D) 9 hours
- 68. Rs. 1,200 is lent out at 5% per annum simple interest for 3 years. Then the amount after 3 years will be
 - (A) Rs. 1,380
 - (B) Rs. 1,470
 - (C) Rs. 1,290
 - (D) Rs. 1,240



- 69. Interest obtained on a sum of Rs. 5,000 for 3 years is Rs. 1,500, then the rate of interest was
 - (A) 8% p.a.
 - (B) 9% p.a.
 - (C) 10% p.a.
 - (D) 11% p.a.
- 70. A 200m long train crosses a platform of certain length in 15 seconds. Speed of the train is 90 km/hr. Then the length of the platform is
 - (A) 300m
 - (B) 225m
 - (C) 150m
 - (D) 175m
- 71. The ratio between the perimeter and breadth of a rectangle is 5:1. If the area of the rectangle is 216 sq. cm, then the length of the rectangle is
 - (A) 18 cm
 - (B) 24 cm
 - (C) 16 cm
 - (D) 20 cm
- 72. If the area of a circular field is 616 m² then the diameter of the field is
 - (A) 16m
 - (B) 28m
 - (C) 20m
 - (D) 18m

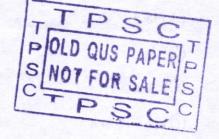
- 73. If $X = \{ 2, 3, 4, 5 \}$ and $Y = \{3, 4, 5, 6\}$ be two sets then $X \cup Y$ contains the number of elements
 - (A) 4
 - (B) 3
 - (C) 5
 - (D) 7
- 74. If A = {a, e, i, o, u} and B = {e, o, g, h, k} be two sets then the number of elements in A B is
 - (A) 3
 - (B) 4
 - (C) 2
 - (D) 5
- 75. The arithmatic mean of 12 observations is 7.5. If the arithmatic mean of 7 of these observations is 6.5, then the mean of the remaining observations is
 - (A) 5.5
 - (B) 8.5
 - (C) 9.2
 - (D) 8.9.
- 76. A, B, C and D are playing cards. A and B are partners. D faces towards north. If A faces towards west, then who faces towards south?
 - (A) B
 - (B) C
 - (C) D
 - (D) A and B both

- 77. A watch reads 4.30. If the minute hand points east, in what direction will the hour hand point?
 - (A) North
 - (B) North-west
 - (C) South-east
 - (D) North-east
- 78. How many such pairs of letters are there in the word CORPORATE, each of which has as many letters in the same sequence between the word as in the English alphabet?
 - (A) None
 - (B) One
 - (C) Two
 - (D) Three
- 79. Which letter in the word CYBERNET-ICS occupies the same position as it does in the English alphabet?
 - (A) C
 - (B) E
 - (C) I
 - (D) T
- 80. Number of letters skipped in between adjacent letters in the series decreases by one. Which of the following series observes this rule?
 - (A) BGKNPR
 - (B) CINRTU
 - (C) EJNQST
 - (D) LQUXAP

- 81. In the following series, the number of letters skipped in between the adjacent letters are in ascending order i.e. 1, 2, 3, 4. Which one of the following letter groups does not obey this rule?
 - (A) CEHLQ
 - (B) DFIMR
 - (C) GILPU
 - (D) HJMPT
- 82. How many 6's are there in the following number series, each of which is immediately preceded by 1 or 5 and immediately followed by 3 or 9?

2 6 3 7 5 6 4 2 9 6 1 3 4 1 6 3 9 1 5 6 9 2 3 1 6 5 4 3 2 1 9 6 7 1 6 3

- (A) one
- (B) two
- (C) three
- (D) four
- 83. How many times will you write even numerals if you write all the numbers from 291 to 300?
 - (A) 11
 - (B) 13
 - (C) 15
 - (D) 17



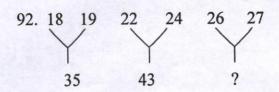
- 84. If X finds that he is 12th from the right in a line of boys and 4th from the left, how many boys should be added to the line such that there are 28 boys in the line?
 - (A) 12
 - (B) 13
 - (C) 14
 - (D) 20
- 85. If + means X, X means -, ÷ means + and means +, then which of the following gives the result of 175 25 ÷ 5 + 20 X 3 + 10 ?
 - (A) 77
 - (B) 160
 - (C) 240
 - (D) 2370
- 86. Given that X denotes 'greater than' φ denotes 'equal to', < denotes 'not less than', \(\perp \) denotes 'not equal to', \(\Delta\) denotes 'less than' and + denotes 'not greater than', choose the correct statement from the following:

If $a \times b \Delta c$ it follows that

- (A) a φ c Δb
- (B) $b < a \times c$
- (C) a < b + c
- (D) c + b < a

- 87. If A + B = C + D and A + D > B + C, then which one of the following is wrong?
 - (A) A > B
 - (B) A > C
 - (C) C > D
 - (D) B > D
- 88. Find the number when added to itself 13 times, gives 112.
 - (A) 7
 - (B) 8
 - (C) 9
 - (D) 11
- 89. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A?
 - (A) Rs. 4, Rs. 23
 - (B) Rs. 13, Rs. 17
 - (C) Rs. 15, Rs. 14
 - (D) Rs. 17, Rs. 13
- 90. A father tells his son, "I was of your present age when you were born". If the father is 36 now, how old was the boy five years back?
 - (A) 13
 - (B) 15
 - (C) 17
 - (D) 20

- 91. At the fair I bought 6 erasers and 2 pens for Rs. 15. If I bought 4 more erasers for Rs. 14 than pens for Rs. 9, the price of a pen would be
 - (A) ₹ 1.50
 - (B) ₹ 1.75
 - (C) ₹ 2.25
 - (D) ₹ 4.25

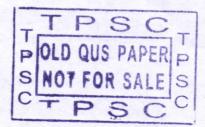


In the given figure find the missing character

- (A) 21
- (B) 25
- (C) 35
- (D) 45
- 93. Find the missing number in the matrix given below:

51	11	61		
64	30	32		
35	?	43		

- (A) 25
- (B) 27
- (C) 32
- (D) 37



- 94. Find which of the following word can not be made from the letters of the given word: DESTRUCTION.
 - (A) RUIN
 - (B) TRUCK
 - (C) TRUE
 - (D) DIET
- 95. A hill always has
 - (A) Trees
 - (B) Animals
 - (C) Water
 - (D) Height
- 96. You have gone to enjoy a festival organised by a club. Suddenly you come across a lost child crying desperately. You would
 - (A) neglect and walk away
 - (B) ask the child to find his parents
 - (C) ask him to stop crying and wait patiently for his parents
 - (D) contact with the club authorities and make an arrangement for the parents.
- 97. What will be the next term in the series? BKS, DJJ, FIU,
 - (A) HJU
 - (B) HHV
 - (C) HBA
 - (D) None of these.

- 98. A mirror always
 - (A) Reflects
 - (B) Retracts
 - (C) Distorts
 - (D) Refracts
- 99. What is the missing number in the given figure ?

	5			21]		51	1
16	109	2	22	53	19	17	?	48
	6			15			13	

- (A) 7
- (B) 25
- (C) 49
- (D) 129

100. Find the missing character from the given alternatives:



 $\frac{6\sqrt{7}}{21}$



- (A) 22
- (B) 30
- (C) 32
- (D) 42

SECTION - II

Attempt any five questions out of the 6 questions given below: (1 mark each) 1×5=5 Choose the correct answer and write in the answer script.

101. (i)	The 8th International Conference on Management will be held in :	Bio	iodiversity Conservation and Ecosystem
	(a) New Delhi	(b)) Tokyo
	(c) Paris	(d)) Geneva
(ii)	The number of individuals decreases	fror	om producer level to consumer level in:
	(a) Pyramid of number	(b)) Pyramid of biomass
	(c) Pyramid of energy	(d)) None of the above
(iii)	The driving force for an ecosystem	is:	:
	(a) Producers	(b)) Consumers
	(c) Biomass	(d)) Solar energy
(iv)	The so-called good ozone is present	in	: " " " " " " " " " " " " " " " " " " "
	(a) Troposphere	(b)) Stratosphere
4	(c) Over Antarctica	(d)) Everywhere in small amounts
(v)	Which BS emission standards gover 2020?	nme	ent proposes to implement from April,
	(a) BS – IV	(b)) BS - V
	(c) BS - VI	(d)) BS – VII
(vi)	How many hotspots of biodiversity	have	ve been identified on earth?
	(a) 23	(b)) 34
	(c) 36	(d)	TPSCTPOLD QUS PAPER PS NOT FOR SALE Frum over
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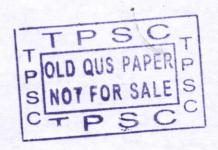
- 102. Very short answer answer type questions. Attempt any five out of 6. (2 marks each). $2\times5=10$
 - (i) Who initiated 'Man and Biosphere' programme?
 - (ii) Nitrogen and hydrocarbons react in the presence of sunlight. Name the secondary pollutants produced in the reaction.
 - (iii) Name the ionising radiations produced due to decomposition of radioactive wastes.
 - (iv) What do the jet airplanes and refrigerators have in common that has contributed to pollution?
 - (v) Where is the headquarters of United Nations Environmental programme?
 - (vi) Biological diversity is relatively greater in tropics. Give two reasons.
- 103. Short answer type questions. Attempt any *two* out of 3. (5 marks each) $5\times2=10$
 - (i) What would happen if there is no CO, in the earths atmosphere?
 - (ii) Differentiate between endangered and threatened species.
 - (iii) Give a brief account of the impact of global climate change on human health.

104. Answer any five questions. (Each question carries 1 mark.)

1×5=5

Select the correct answer and write in answer script from the option given below:

- (i) Tripura is situated in the most vulnerable earthquake zone V of India. Write (True or false.)
- (ii) All hazards result in Disaster. (True or false)
- (iii) Who is the Chairperson of Tripura Disaster Management Authority?
 - (a) Minister (Revenue and PWD)
 - (b) Chief Minister
 - (c) Chief Secretary
 - (d) Minister, Health.
- (iv) Cyclones are named and their path is tacked by IMD in India. (True or false)
- (v) Magnitude of Earthquake is measured by
 - (a) Richter scale
 - (b) Mercalli scale
 - (c) Seismic scale
 - (d) None of the above
- (vi) Bhopal Gas Tragedy is a
 - (a) Fire disaster
 - (b) Industrial disaster
 - (c) Flood disaster
 - (d) Tsunami.



- 105. Answer any five questions. (Each question carries 2 marks.)
- 2×5=10
- (i) What are the two broad types of measures to mitigate the impacts of flood?
- (ii) Can we mitigate drought? Explain your answer.

- (iii) Name any four phases of Disaster Management cycle.
- (iv) What are the major natural hazards in State of Tripura?
- (v) What is the difference between hazard and disaster?
- (vi) Explain what is a Nuclear Disaster.
- 106. Answer any two questions. (Each question carries 5 marks.)

5×2=10

- (i) How earthquake occurs? What are the effects of earthquake? Explain Focus, Epicentre and Magnitude of an earthquake.
- (ii) What is Disaster Risk Reduction (DRR)? What are NDMA, SDMA and DDMA under DM Act, 2005 and their roles in the Disaster Management in India?
- (iii) What are floods? Explain briefly the causes, effects of flood in North-Eastern India.

