

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

24-0001-AA

TEST BOOKLET

Time Allowed: 2.5 hours

PAPER - I

Maximum Marks: 150

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. This Test Booklet consists of **16 (sixteen)** pages and has **67 (sixty seven)** items (questions).
2. **IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.**
3. **Please note that it is the candidate's responsibility to fill in the Roll Number and other required details carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet and the Separate Answer Booklet. Any omission/discrepancy will render the OMR Answer Sheet and the Separate Answer Booklet liable for rejection.**
4. Do not write anything else on the OMR Answer Sheet except the required information. Before you proceed to mark in the OMR Answer Sheet, please ensure that you have filled in the required particulars as per given instructions.
5. Use **only Black Ball Point Pen** to fill the OMR Answer Sheet.
6. This Test Booklet is divided into 3 (three) parts - **Part - I, Part - II and Part - III.**
7. All three parts are **Compulsory.**
8. **Part-I and Part-II consist of Multiple Choice-based Questions.** The answers to these questions have to be marked in the OMR Answer Sheet provided to you.
9. **Part-III consist of Conventional Questions.** The answers to these questions have to be written in the **Separate Answer Booklet** provided to you.
10. In Part-I and Part-II, each item (question) comprises of **04 (four)** responses (answers). You are required to select the response which you want to mark on the OMR Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
11. After you have completed filling in all your responses on the OMR Answer Sheet and the Answer Booklet(s) and the examination has concluded, you should hand over to the Invigilator **only the OMR Answer Sheet and the Answer Booklet(s).** You are permitted to take the Test Booklet with you.
12. **Penalty for wrong answers in Multiple Choice-based Questions:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to the question will be deducted as penalty.
 - (ii) 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 the question.
 - (iii) If a question is left blank. i.e., no answer is given by the candidate, there will be **no penalty** for that question.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

DO NOT WRITE IN THESE SPACES

TEST BOOKLET

Mathematics

PAPER 1

Time Allowed: 1 hour

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PART-I

GENERAL ENGLISH (Multiple Choice Questions)

Read the following passage carefully and choose the correct answers for the following questions from the options given below: (2x5=10)

The enjoyment of physical possessions of things would seem to be one of the prerogatives of wealth which has been little impaired. Presumably nothing has happened to keep the man who can afford them from enjoying his Rembrandt paintings and his homegrown orchids. But enjoyment of things has always been associated with the third prerogative of wealth which is the distinct it confers. In a world where nearly everyone was poor, the distinction was very great. It was the natural consequence of rarity. In England it is widely agreed, the ducal families are not uniformly superior. There is a roughly normal incidence of intelligence and stupidity, good taste and bad taste, morality, immorality. But very few people are dukes and duchess, although the latter have become rather more frequent with modern easing of divorce laws. As a result, even though they may be *intrinsically* unexceptional they are regarded with some awe. So, it has long have been with the rich. Were dukes numerous their position would deteriorate. As the rich have become more numerous, they have inevitably become a debased currency.

1. The distinction conferred by wealth-
 - A) Was unfair to the poor
 - B) Was unlikely to spread throughout the world
 - C) Was very great when there were many rich people
 - D) Was very great when there were few rich people
2. The enjoyment of the physical possession of things-
 - A) Is one of the privileges of wealth that has never changed
 - B) Has little to do with the prerogatives of wealth
 - C) Is one of the privileges of wealth which should be curtailed
 - D) Is a prerogative of wealth which cannot be disputed
3. Ducal families in England-
 - A) Are generally agreed to be fairly common
 - B) Are generally agreed to be fairly superior
 - C) Are superior as they are rich
 - D) Are generally agreed not to be always better than others
4. There are more duchesses now because-
 - A) It is easier for dukes to divorce and remarry
 - B) Dukes are more immoral than they used to be
 - C) Their position has deteriorated
 - D) They are debased

5. Choose the correct meaning of the word '*intrinsically*' that has been used in the paragraph.
- A) Adventitious
 - B) Acquired
 - C) Naturally
 - D) Superficial

Choose the correct words to complete the sentences:

(2x5=10)

6. Despite his best efforts to conceal his anger-
- A) People came to know that he was annoyed
 - B) He succeeded in camouflaging his emotions
 - C) He failed to give us an impression of agony
 - D) He could succeed in doing it easily
7. Even if it rains, I shall come means-
- A) If I come it will not rain
 - B) I will certainly come whether it rains or not
 - C) If it rains, I may not come
 - D) Whenever there is rain, I shall come
8. I felt somewhat more relaxed-
- A) But tense as compared to earlier
 - B) And tension free as compared to earlier
 - C) Because the worry had already captured my mind
 - D) As I had so much more to do
9. 'You are thinking of very highly about Suresh but he is not so' means-
- A) Suresh is as good as you think about him
 - B) Suresh is much better than what you think of him
 - C) You have good opinion about Suresh but he is not as good as you think
 - D) Your view about Suresh is philosophical, keep it up!
10. He is so lazy that he-
- A) Cannot depend on others for getting his work done
 - B) Cannot delay the schedule of completing the work
 - C) Can seldom complete his work on time
 - D) Always helps others to complete their work

Choose the correct synonyms for the following words:

(2x2=4)

11. Convivial
A) Gloomy
B) Depressed
C) Cheerful
D) Gross
12. Obviate
A) Prevent
B) Advantage
C) Reward
D) Support

Choose the correct antonyms for the following words:

(2x3=6)

13. Dissipate
A) Utilize
B) Conserve
C) Manage
D) Organize
14. Modest
A) Unhappy
B) Conceited
C) Sullen
D) Glum
15. Tenacious
A) Persistent
B) Relentless
C) Steadfast
D) Yielding

Which of the phrases given below each of the sentences should replace the underlined phrase to make the sentence grammatically correct?

(2x4=8)

16. The teacher was fed up by the boy's persistent misbehavior.
A) Fed up with
B) Fed up from
C) Fed up for
D) Fed up about

17. Police said that basis on secret information a trap was laid to arrest the criminal.

- A) That base in
- B) As base on
- C) That based on
- D) As basics of

18. It was a dissapointed end to a historic match.

- A) Disappointment to
- B) Disappointment end to
- C) Disappointing end
- D) Disappointing end to

19. My brother is indifferent about whatever I say.

- A) Indifferent in
- B) Indifferent of
- C) Indifferent for
- D) Indifferent to

Choose the correct '*one word*' for the following sentences:

(2x4=8)

20. The thing that can be easily broken-

- A) Brittle
- B) Subtle
- C) Solid
- D) Amorphous

21. Action that is likely to make people very angry-

- A) Inflationary
- B) Inflammable
- C) Commensurable
- D) Inflammatory

22. People who belong to the same country-

- A) Patriots
- B) Comrades
- C) Compatriots
- D) Natives

23. A list of explanations of rare technical or obsolete words-

- A) Dictionary
- B) Glossary
- C) Catalogue
- D) Lexicon

Find out the miss-spelt words:

(2x5=10)

- 24. A) Shellac B) Shackle C) Shallot D) Sargeant
- 25. A) Preparatory B) Emissary C) Promissary D) Cursory
- 26. A) Respite B) Recipe C) Reciept D) Receive
- 27. A) Dilema B) Algebra C) Hindrance D) Disharmony
- 28. A) Gorrilla B) Guarantee C) Gaudy D) Gauze

PART-II

(GENERAL KNOWLEDGE – Multiple Choice Questions)

Choose the correct answers for the following questions from the options given below:
(2x37=74)

- 29. Which of the following states has mandated one-year work experience for recruitment in state government departments?
 - A) Odisha
 - B) Gujarat
 - C) Goa
 - D) Uttarakhand
- 30. With which Union Ministry is the 'Digital India Bill' associated?
 - A) Ministry of Home Affairs
 - B) Ministry of External affairs
 - C) Ministry of Science and Technology
 - D) Ministry of Electronics and IT
- 31. Which of the following states passed the 'Media Person Protection Bill' 2023?
 - A) Chhattisgarh
 - B) West Bengal
 - C) Bihar
 - D) Uttar Pradesh
- 32. Which Asian country launched the e-auction of 20 critical mineral blocks including Lithium and Graphite?
 - A) Sri Lanka
 - B) Indonesia
 - C) India
 - D) Bangladesh

33. Press mud is a residual by-product obtained by which industry?
- A) Automobile
 - B) Sugar
 - C) Coal
 - D) Steel
34. 'Falkland Camp' that was recently in news is located in which part of North East India?
- A) Manipur
 - B) Sikkim
 - C) Mizoram
 - D) Assam
35. The first 'Kanchenjunga International Karate Championship' 2023 was held in which of the following places in Sikkim?
- A) Rabongla
 - B) Pelling
 - C) Deorali
 - D) Hee Bazaar
36. What was the theme of 'World AIDS Day' 2023?
- A) Bridges of Understanding
 - B) Harmony in Healing
 - C) Let Communities Lead
 - D) Community for Healing
37. Carbon Border Adjustment Mechanism (CBAM) is associated with which region?
- A) Asia
 - B) Europe
 - C) Australia
 - D) Africa
38. Which country is set to build the 'British Indian Army Memorial'?
- A) USA
 - B) Germany
 - C) France
 - D) Scotland
39. Which country was the host to the 'AI Safety Summit' 2023?
- A) USA
 - B) UK
 - C) Australia
 - D) India

40. 'Pump Storage Project' is associated with which Union Ministry?
- A) Ministry of Coal
 - B) Ministry of Steel
 - C) Ministry of Power
 - D) Ministry of MSME
41. Centre of Data for Public Good (CDPG) was launched by which institution?
- A) Niti Aayog
 - B) Ilsc
 - C) DRDO
 - D) IIT Madras
42. Captain Fatima Wasim created history by becoming first woman medical officer to be deployed at-
- A) International Space Station
 - B) Amazon Rainforest Mobile Medical Unit
 - C) Siachen Glacier
 - D) Antarctic Expedition Station
43. Which is the only moving bone in the human skull?
- A) Ethmoid bone
 - B) Nasal bone
 - C) Lachrymal bone
 - D) Mandible bone
44. Which of the following is correct about tincture of iodine?
- A) It is a solution of iodine in ethanol
 - B) It is a solution of iodine in hydrochloric acid
 - C) It is a solution in Nitric acid
 - D) None of the above
45. Who among the following won the gold medal in the women's 10m air pistol event at 2023 Hangzhou Asian Games 2023?
- A) Esha Singh
 - B) Divya
 - C) Heena Siddhu
 - D) Palak Gulia
46. The apparent weight of a body becomes zero in which of the following cases in the elevator?
- A) During free fall of the body under gravity
 - B) When elevator is at rest
 - C) When elevator is accelerating upwards
 - D) As soon as you enter the elevator

47. The largest flood triggered by a tropical cyclone which made a landfall on December 14, 2023 at North Queensland in Australia is named-
- A) Viola
 - B) Jasper
 - C) Jane
 - D) Daryl
48. Which scientific term is used to describe traditional animal health care?
- A) Ethno-Veterinary medicine
 - B) Ayur Pashu medicine
 - C) Ethno Pashu medicine
 - D) Ancient Veterinary medicine
49. 'Tabo' the oldest Buddhist enclave in India is located on the banks of which river?
- A) Tapti
 - B) Yamuna
 - C) Spiti
 - D) Drass
50. Which of the following features of Indian temples resembles pylons of the Egyptian temples?
- A) Lat
 - B) Vimana
 - C) Shikara
 - D) Gopura
51. In which category did athlete Tenzing Chopel Bhutia of Sikkim bag bronze medal in the Sports Championship held at Maldives?
- A) Judo
 - B) Weightlifting
 - C) Shooting
 - D) Fitness Model Physique
52. Pem Laki Bhutia of Namchi, Sikkim is associated with which of the following sports?
- A) Weightlifting
 - B) Boxing
 - C) Swimming
 - D) Archery

53. What is the causative agent of white lung syndrome?
- A) Bacteria
 - B) Virus
 - C) Protozoa
 - D) Fungi
54. In which place in Sikkim are farmers taking to cultivation of Saffron?
- A) Rabong
 - B) Soreng
 - C) Yuksom
 - D) Ralong
55. Who is the only Indian to win the Grammy awards thrice?
- A) A R Rehman
 - B) Ricky Kej
 - C) Resul Pookutty
 - D) Babbu Maan
56. Who is the author of 'Kasturi: The Music in You'?
- A) Anamika S. Yadav
 - B) Shashi Raj Kumar
 - C) Rajiv Kumar Dubey
 - D) Dr Arti Vajpai
57. Who has been empowered to enforce the Fundamental Rights by the Constitution of India?
- A) Parliament
 - B) President
 - C) Supreme Court of India
 - D) All courts of India
58. What is the name of the digital project funded by Google to map the language diversity of India?
- A) Project Vaani
 - B) Project Bharat
 - C) Project Echo
 - D) Project Inimai
59. What was the theme of 'World Environment Day' 2023?
- A) #GoGreen
 - B) #savetrees
 - C) #savethe world
 - D) #BeatPlasticPollution

60. 'National Institute of Biologicals' is an autonomous institute under which Union Ministry?
- A) Ministry of Health and Family Welfare
 - B) Ministry of Chemicals and Fertilizers
 - C) Ministry of Science and Technology
 - D) Ministry of Electronics and IT
61. Where is the headquarters of 'Asian Pacific Postal Union'?
- A) Bangkok
 - B) Mumbai
 - C) Colombo
 - D) Dhaka
62. Which country passed a law that allows people over 16 years of age to change their legally registered gender?
- A) USA
 - B) India
 - C) Spain
 - D) France
63. Which country announced India as the theme country for its 2025 International Book Fair?
- A) Sweden
 - B) Spain
 - C) Germany
 - D) Italy
64. Which country has introduced a concept known as the 'Kill Web' in response to the escalating nuclear threat?
- A) USA
 - B) India
 - C) China
 - D) South Korea
65. Which country has launched a law that mandates firms to reveal their gender pay-gaps by early 2024?
- A) India
 - B) USA
 - C) Japan
 - D) Australia

PART-III
GENERAL ENGLISH (Conventional)

66. Write an essay in about 150-200 words on any one of the following topics: (10)

A) Consequences of the Disposal of Medical Wastes

OR

B) Impact of Climate Change on Flora and Fauna

67. Write a précis of the following passage: (10)

Rapid glacial melt in Antarctica and Greenland also influences ocean currents, as massive amounts of very cold glacial- melt water entering warmer ocean waters is slowing ocean currents. And as ice on land melts, sea levels will continue to rise. Sea ice forms and melts strictly in the ocean whereas glaciers are formed on land. Icebergs are chunks of glacial ice that break off glaciers and fall into the ocean. When glaciers melt, because the water is stored on land, the runoff significantly increases the amount of water in the ocean, contributing to global sea level rise. Since the early 1900s, many glaciers around the world have been rapidly melting. Human activities are at the root of this phenomenon. Melting glaciers add to rising sea levels, which in turn increases coastal erosion and elevates storm surge as warming air and ocean temperatures create more frequent and intense coastal storms like hurricanes and typhoons.

The glacial melt that we are witnessing today in Antarctic and Greenland is changing the circulation of the Atlantic Ocean and has linked to collapse of fisheries in Gulf of Maine and more destructive storms and hurricanes around the planet. What happens in these places has consequences across the entire globe. As sea ice and glaciers melt and oceans warm, ocean currents will continue to disrupt weather patterns worldwide. Coastal communities will continue to face billion-dollar disaster recovery bills as flooding becomes more frequent and storms become more intense.

SPACE FOR ROUGH WORK