

SEAL

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

Invigilator's signature

Question Booklet No.

101442

J/EE/R EXAM

2020

GENERAL KNOWLEDGE & GENERAL ENGLISH

Time : 2 Hours

Maximum Marks : 100

ROLL NO.

INSTRUCTIONS FOR CANDIDATES

1. This Test Booklet consists of two parts—PART-I (Objective) contains 50 multiple choice questions carrying 1 mark each and PART-II (Subjective) is of 50 marks.
2. In PART-I (Objective) each question contains four responses. Choose only one correct answer for each question and darken the bubble on the OMR RESPONSE SHEET. In PART-II (Subjective), answer all questions as directed in full sentences. The marks in the right-hand margin indicate full marks for the questions.
3. DO NOT write your Name or anything else except Roll No. and the actual answer to the question, anywhere on the OMR RESPONSE SHEET.
4. DO NOT handle your OMR RESPONSE SHEET in such a manner as to mutilate, fold, etc.
5. Entry into the examination venue shall be closed **10 minutes** before the scheduled commencement of the Examination, i.e. 8:50 AM for Forenoon session and 12:50 PM for the Afternoon session.
6. No candidate shall have in his/her possession, inside the Examination Hall, any book, notebook or loose paper, calculator, mobile phone etc., except his/her Admit Card and other things permitted by the Commission.
7. Immediately after the final bell indicating the closure of the Examination, stop bubbling. Be seated till the OMR RESPONSE SHEET is collected by the Invigilator. Thereafter you may leave the Examination Hall.
8. Violation of any of the above rules will render the candidate liable to expulsion from the examination and disqualification from the examination, and according to the nature and gravity of his/her offence, he/she may be debarred from future examinations and interviews to be conducted by the Commission and other such organizations (i.e. UPSC, SSC and SPSCs).

NB: CANDIDATES ARE ALLOWED TO TAKE THIS QUESTION BOOKLET ONLY AFTER COMPLETION OF 2 (TWO) HOURS EXAMINATION TIME

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SEAL

PART—I
(Objective)

GENERAL KNOWLEDGE

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| <p>1. On which date was <i>Chandrayaan II</i> launched?</p> <p>[A] 14th July 2019</p> <p>[B] 22nd July 2019</p> <p>[C] 25th July 2019</p> <p>[D] 7th September 2019</p>
<p>2. Which type of mosquito spreads dengue fever?</p> <p>[A] Aedes type</p> <p>[B] Anopheles type</p> <p>[C] Culex type</p> <p>[D] Marsh type</p>
<p>3. Who among the following is associated with the Law of Natural Selection?</p> <p>[A] Mendel</p> <p>[B] Dalton</p> <p>[C] Kepler</p> <p>[D] Darwin</p> | <p>4. What will happen to the weight of a body if the speed of rotation of the earth increases?</p> <p>[A] It will remain unchanged</p> <p>[B] It will increase</p> <p>[C] It will decrease</p> <p>[D] None of the above</p>
<p>5. 'Rusting of iron' is a form of</p> <p>[A] oxidation</p> <p>[B] reduction</p> <p>[C] decomposition</p> <p>[D] None of the above</p>
<p>6. Which is the chief component of 'Gob gas'?</p> <p>[A] Carbon dioxide</p> <p>[B] Ethane</p> <p>[C] Oxygen</p> <p>[D] Methane</p> |
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7. 'Acceleration' is associated with the

- [A] rate of change of speed
- [B] rate of change of direction
- [C] rate of change of weight
- [D] rate of change of distance

8. Which vitamin helps in the coagulation of blood?

- [A] Vitamin A
- [B] Vitamin B
- [C] Vitamin D
- [D] Vitamin K

9. Which scientist invented the Polio vaccine?

- [A] Louis Pasteur
- [B] Linus Pauling
- [C] Jonas Salk
- [D] Selman Walksman

10. In which year did the British Government declare its goal for providing 'Dominion Status' to India?

- [A] 1917
- [B] 1929
- [C] 1931
- [D] 1942

11. In which year the Congress adopted its resolution for attaining *Purna Swaraj*?

- [A] 1917
- [B] 1929
- [C] 1930
- [D] 1942

12. Where was the World Artificial Intelligence Conference held?

- [A] Shanghai
- [B] Tokyo
- [C] Hyderabad
- [D] Dhaka

13. As per the World Gold Council Report, what is the rank of India in terms of its gold reserve?

[A] 4th

[B] 6th

[C] 7th

[D] 9th

14. Which film bagged the best feature film award in the 66th National Film Awards?

[A] Hellaro

[B] Andhadhun

[C] Naal

[D] Uri : The Surgical Strike

15. Who is the recipient of the Pushkin Medal in 2019?

[A] Ms. Meeta Narain

[B] Pranab Mukherjee

[C] Roman N. Babushkin

[D] None of them

16. Which State has topped the SARAL index this year?

[A] Gujarat

[B] Telangana

[C] Karnataka

[D] Meghalaya

17. What is the full form of CDRI?

[A] Construction Directorate for Recovering Infrastructure

[B] Consortium for Deficit Recovery Incentive

[C] Consortium for Debt Recovery Instrumentation

[D] Coalition for Disaster Resilient Infrastructure

18. On which date is the International Day of the Elderly celebrated?

[A] October 1

[B] October 2

[C] October 15

[D] October 16

19. Who were the *Haoladars* during the British rule?

- [A] Revenue collectors
- [B] Local lords of the Princely States
- [C] Rich peasants of Bengal
- [D] British officials who looked after the law and order situation

20. Which of the following is **not** a Harappan site?

- [A] Kot Diji
- [B] Sohgaora
- [C] Desalpur
- [D] Chanhudaro

21. By whom was the *Swachh Survekshan Gramin* 2019 programme launched?

- [A] Sri Suresh Kumar
- [B] Sri Gajendra Singh
- [C] Sri Dinesh Kartick
- [D] Sri Suresh Yadav

22. In which category did Bajrang Punia win the gold medal at Tbilisi Grand Prix 2019?

- [A] 98 kg
- [B] 85 kg
- [C] 65 kg
- [D] 95 kg

23. Wing Commander Abhinandan Varthaman is to be honoured with which bravery medal?

- [A] Vir Chakra
- [B] Param Vir Chakra
- [C] Maha Vir Chakra
- [D] Ashoka Chakra

24. Which State has topped the National Health Mission (NHM) ranking in 2019?

- [A] Karnataka
- [B] Bihar
- [C] Andhra Pradesh
- [D] Rajasthan

25. Which country has honoured Prime Minister Sri Narendra Modi with the King Hamad Order of the Renaissance award?

[A] Bahrain

[B] Saudi Arabia

[C] Israel

[D] UAE

26. When was the Anti-defection Law enacted by the Parliament of India?

[A] 1980

[B] 1984

[C] 1985

[D] 1990

27. On which date is International Literacy Day celebrated every year?

[A] 7th August

[B] 8th September

[C] 9th November

[D] 10th December

28. Who is the author of the book *Undaunted : Saving The Idea of India*?

[A] P. Chidambaram

[B] Hamid Ansari

[C] Pranab Mukherjee

[D] Arun Jaitley

29. Which of the following is *not* a member of the G7 countries?

[A] Canada

[B] Germany

[C] India

[D] France

30. Which countries were visited by Sri Narendra Modi in his three-nation visit in August 2019?

[A] France, Bahrain and UAE

[B] Bahrain, UAE and Saudi Arabia

[C] France, USA and UAE

[D] USA, Turkey and France

31. Which country has the highest number of 'living' indigenous languages?

- [A] India
- [B] Papua New Guinea
- [C] China
- [D] None of the above

32. The abbreviation CBDT stands for

- [A] Control Board of Direct Taxes
- [B] Central Board for Debit and Trade
- [C] Central Board of Direct Taxes
- [D] Central Bureau for Debit and Trade

33. Who is the first batsman to score 20000 (twenty thousand) runs in a decade?

- [A] Virat Kohli
- [B] Kane Williamson
- [C] Rohit Sharma
- [D] David Warner

34. Which team won the UEFA Super Cup?

- [A] Liverpool
- [B] Real Madrid
- [C] Chelsea
- [D] Barcelona

35. Durand Cup 2019 was lifted by which team?

- [A] Mohun Bagan
- [B] East Bengal
- [C] Real Kashmir
- [D] Gokulam Kerala

36. Who is Harshad Pandurang Thakur?

- [A] Director of National Institute of Health and Family Welfare
- [B] Cabinet Secretary
- [C] Additional Controller General of Accounts
- [D] Physicist

37. Which film was awarded the best action film in the 66th National Film Awards?
- [A] Uri
[B] K.G.F : Chapter 1
[C] Tarikh
[D] Padmavaat
38. During whose tenure as Chief Commissioner was the name of the region changed from NEFA to Arunachal Pradesh?
- [A] Manohar L. Kampani
[B] R. N. Haldipur
[C] Shiva Swaroop
[D] K. A. A. Raja
39. Who among the following has served the longest term as Chief Minister of Arunachal Pradesh?
- [A] Sri Gegong Apang
[B] Sri Dorjee Khandu
[C] Sri Nabam Tuki
[D] Sri Pema Khandu
40. In which State can one find the longest cable-stayed bridge in India?
- [A] West Bengal
[B] Maharashtra
[C] Bihar
[D] Gujarat
41. Who is the present Chairman of ISRO?
- [A] Prof. S. Dhawan
[B] Sri G. Madhavan
[C] Dr. K. Radhakrishnan
[D] Dr. K. Sivan
42. How many members were there in the Drafting Committee of the Constituent Assembly for drafting the Constitution of India?
- [A] Five
[B] Six
[C] Seven
[D] Eight
43. 'Typhoid' is caused by which vector?
- [A] Trichinosis
[B] Brucellosis
[C] West Nile Virus
[D] Salmonella typhi bacteria
44. Which color has the longest wavelength?
- [A] Blue
[B] Red
[C] Violet
[D] Indigo

45. Who among the following is credited with establishing the older theory that the sun goes around the earth?

[A] Copernicus

[B] Ptolemy

[C] Galileo

[D] Bhaskara

46. Which of the following is **not** an insulator?

[A] Dry wood

[B] Plastic

[C] Copper

[D] None of the above

47. Which of the following is a leguminous plant?

[A] Potato

[B] Lemon

[C] Daruharidra

[D] Pulses

48. Which disease affects human memory?

[A] Alzheimer's

[B] Arthritis

[C] Rheumatism

[D] Osteoporosis

49. Which of the following Indian festivals is **not** associated with harvesting?

[A] Bihu

[B] Vaisakhi

[C] Rath Yatra

[D] All of the above

50. What is the literacy rate of Arunachal Pradesh according to the 2011 Census?

[A] 57.70%

[B] 65.38%

[C] 72.55%

[D] None of the above

PART—II

(Subjective)

GENERAL ENGLISH

1. Read the passage given below and answer the questions that follow :

Anger is a very powerful emotion and needs to be controlled with great will. Anger, if left to take its own course will exercise control over the person who is angry, and in most cases, is likely to be directed in the wrong direction. It is necessary that its power should be harnessed and diverted towards proper channels. Aristotle, the great Greek philosopher, had this to say about anger—"Anybody can become angry—that is easy; but to be angry with the right person, and to the right degree, and at the right time, and for the right purpose, and in the right way—that is not within everybody's power and is not easy". Thus, anger is not always harmful. It is justifiable when it is directed against an evil that requires redressal and when such action will be beneficial to people. It also means that we should not be angry unnecessarily.

Anger has both physical and psychological consequences. It is like a dangerous acid that is capable of corroding the vessel in which it is kept. An angry man, thus, does more harm to himself than on the object of his anger. If left unattended and untamed, it will finally lead him to self-suffering and degeneration. Like any harmful substance, it should be avoided to the utmost possible extent. Once unleashed, anger will create a process which may ultimately go out of the hand of the person who initiated the process. Scientifically, when a person has an outburst of anger, the adrenal gland secretes adrenalin which is a stress hormone. This hormone immediately initiates a process to provide instant energy to the body which causes breathing to be faster in order to provide more oxygen to the body. As a result, blood pressure increases and other normal functions of the body are hampered causing harm to the person as a whole.

- (a) What were Aristotle's views on anger? 3
- (b) According to the author, what type of anger is required? 3
- (c) Explain in your own words how anger affects a person in various ways. 4
- (d) Suggest a suitable title for the passage. 2
- (e) Find the synonyms of the following words from the passage : 1×3=3
- (i) Utilized (ii) Injurious (iii) Began

2. Expand the idea contained in *any one* of the following expressions within 150 words : 10

- (a) Our adversaries are our greatest friends
- (b) A rolling stone gathers no moss
- (c) Too many cooks spoil the broth

3. Write a précis of the given passage and add a suitable title to it :

10

These days the newspapers and news broadcasts almost invariably contain one or more references to natural disasters. To any serious observer of the global scenario of such recurrent deviation in the natural cycle would seem unnatural. It may even be an indication that nature is probably getting off-balance due to certain reasons and these reasons can be very well understood in the evolving relationship between human beings and the natural world.

Through the passage of time, human beings have been keen on conquering the limitations of their physical puniness against the overwhelming forces of the natural world and have continuously devised ways to make life more secure and comfortable. However, things would have probably remained alright if human beings were to stop at the point where the basic needs are fulfilled and life is secured for the human race, but things did not go as desired. The unfathomable human greed and hunger for wealth and power led man from harnessing to exploiting the resources of nature, resulting in unprecedented exploitation of natural resources with each passing decade. With the rise of industrialization and the expansion of colonialism, matters worsened as the sole motive of the colonizer was to amass as much profit as possible without thinking about the consequences on the environment. At the same time, the expansion of human population with decreasing death rate and longer life expectancy, thanks to the development in medical science, increased the pressure on land. The rise of cities and the establishment of trading centres soon changed the earlier demographic condition in almost all habitable places on the planet.

Today, it is as if the entire world is sitting on a time bomb, and any more expansion of such activities will trigger catastrophes of large scale, may be even verging on the range of the apocalypse. The raging forest fires, the frequent tsunamis, the unseasonal rains, floods and landslides—all these are signs of the bitter fruits that human kind has sown for itself in its greed and race of nations. A miniscule rise in global temperature can trigger off a major catastrophe. We are today unwitting prisoners of our own doings.

4. Rewrite *any five* of the following sentences as directed :

2×5=10

- (a) He knows the rules of the game. (Turn into a negative sentence without changing its meaning)
- (b) The winner gets the trophy. (Add a tag question)
- (c) This shopping centre is bigger than any other in the city. (Rewrite using the superlative degree of comparison)
- (d) Mr. Stephen was here last evening. (Turn into an interrogative sentence)
- (e) The little boy caught the cat by its tail. (Change the voice)
- (f) The child said to his mother, "I cannot sleep when it is thundering." (Change the form of narration)

5. Fill in the blanks with the appropriate form of the verbs given in brackets :

1×5=5

- (a) He has _____ to crack APPSCE for the last three years. (try)
- (b) We _____ just before the final bell. (arrive)
- (c) The film _____ before he arrived. (start)
- (d) We can see the stars _____ on a clear night. (shine)
- (e) This institution _____ with an aim to promote education of girls. (found)