

Sikkim Public Service Commission

Written Examination for the post of Specialist (Senior Grade)

Time Allowed: 2 hours

PAPER - I

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. This Test Booklet consists of 12 (twelve) pages and has 57 (fifty-seven) printed questions.
2. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED, TORN OR MISSING PAGES OR ITEMS. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
3. Use only Black Ball Point Pen to fill the OMR Sheet.
4. Please note that it is the candidate's responsibility to fill in the Roll Number carefully without any omission or discrepancy at the appropriate places in the OMR ANSWER SHEET for Multiple Choice Questions and on the SEPARATE ANSWER BOOKLET for Conventional Type Questions. Any omission/discrepancy will render the Answer Sheet liable for rejection.
5. 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.
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 Questions. The answers for these questions have to be marked in the OMR Answer Sheet provided to you.
9. Part-III consists of Conventional Type Questions. The answers for these questions have to be written in the Separate Answer Booklet provided to you.
10. 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 the OMR Answer Sheet and the Answer Booklet(s) to the Invigilator only. You are permitted to take the Test Booklet with you.
11. **Marking Scheme**
THERE WILL BE **NEGATIVE MARKING** FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTIONS
 - (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

PART - I
GENERAL ENGLISH
(Multiple Choice Questions)

Read the passage carefully and choose the correct answer for Questions 1 to 10 from the given options. Each question carries 1 mark.

[10 x 1 = 10]

The Indian pharma industry is flourishing overseas, touching every part of the world. With low cost, speed and high quality advantage, India is gearing up to become the hub for contract research and manufacturing. Having a competitive edge is one thing and maintaining it is another. Canada provides tax benefits up to six percent for research carried out within the country. Others like Korea and China without a large pool of scientists make up by facilitating foreign research in every conceivable way. India does not do any of these and faces many hurdles-diseases that it has been inflicted with since independence like Malaria and TB while Indian companies have only focused on reverse engineering blockbuster drugs from MNC's, overseas scientists have displayed little interest in researching subcontinent specific diseases as there are more profits and public interest in lifestyle drugs such as obesity which in turn fund their research. In the interest of Indian research industry, a decision must be taken quickly on the implementation of data protection laws.

India is one of the few countries where data exclusivity is not prevalent. Data protection is a contentious issue, wholly debated by the government and the industry. A pharma company wishing to market a drug is required to submit data to the drug controller to show that the drug is both effective and safe. The first (originator) company that makes the application for marketing approval has to submit its data relating to the clinical trials to the drug controller, who once satisfied that the drug is safe and effective will register it. Another drug company wishing to market the same drug only requires showing a bioequivalence company. Thus, as per the prevailing laws, the regulator in India can rely on an innovator's data to approve the

competitor's product. While the system in general is responsible for maintaining the necessary secrecy, it is not accountable for the same- the competitor gets an unfair advantage over the innovator even when he is clandestinely abusing an innovator's intellectual property. Consequently, research-based pharma companies are being forced to undertake vital clinical trials abroad. Huge expenditures are incurred overseas, draining precious foreign exchange when this could be done at home at a fraction of the cost.

1. Which of the following is a reason for India's continuing battle with commonplace diseases?
 - (a) Rigid patent laws mean essential foreign drugs are not easily available in India.
 - (b) Newer more effective treatments and drugs are unaffordable.
 - (c) Research and development of drugs for such diseases is taken up only by advanced countries.
 - (d) None of the above.
2. Which of the following is/are TRUE in the context of the passage?
 - (1) Countries like China prefer to outsource research to avoid exorbitant cost of research at home.
 - (2) Multinational pharma companies are pressurizing India to have product patent laws.
 - (3) The Indian pharmaceutical industry is booming.

Select the correct option:

- (a) Only (1)
- (b) Only (3)
- (c) Both (2) and (3)
- (d) Both (1) and (2)

3. Which of the following measures has Korea taken to be competitive in the pharma industry?

- (a) It offers blockbuster drugs at highly subsidized rates.
- (b) It collaborates with foreign research firms.
- (c) It provides regulatory approvals.
- (d) It makes foreign research easier on its own land in every possible way.

4. Which of the following is/are India's strengths in drug discovery and research?

- (1) Relaxed patent laws.
- (2) Reverse engineering of foreign blockbuster drugs.
- (3) Incentives to foreign companies researching sub-continent diseases.

Select the correct option:

- (a) Only (1)
- (b) Both (1) and (3)
- (c) Only (2)
- (d) None of the above.

5. According to the author, what is the disadvantage of holding clinical trials abroad?

- (a) Research facilities in India are far more sophisticated.
- (b) Authenticity of research methodology cannot be monitored.
- (c) Higher cost resulting in the drain of financial resources.
- (d) Delayed processing of test data.

6. The argument against making data exclusivity a law is:

- (1) Specialized knowledge is shared.
- (2) It will unfairly favour large western pharma companies.
- (3) It is not in the interest of the general public.

Select the correct option:

- (a) Both (2) and (3)

(b) Both (1) and (3)

(c) Only (1)

(d) Only (3)

7. Which of the following is NOT TRUE in the context of the passage?

- (a) Costs of clinical trials and research are relatively lower in India.
- (b) India has laws to ensure patent protection, but data exclusivity provisions are not prevalent.
- (c) China has a large number of well qualified clinical research personnel which make it attractive to MNCs.
- (d) Indian pharma companies can no longer duplicate patent protected foreign drugs.

8. The Indian pharma industry _____.

- (a) is hampered by severe intellectual property rights law.
- (b) pursue trials in research on health threats like obesity.
- (c) is the largest growing one in the world.
- (d) provides quality and speedy research at low cost.

9. Choose the word/phrase which is most nearly the SAME in meaning, from the given options, as the word used in the passage.

Prevailing -

- (a) Popular
- (b) Implemented
- (c) Existing
- (d) Persuading

10. Choose the word/phrase which is most OPPOSITE in meaning, from the given options, as the word used in the passage.

Flourishing -

- (a) Drooping
- (b) Declining
- (c) Fluctuating
- (d) Opposing

Instructions for Questions 11 to 15: A sentence has been given in Active/Passive voice. Out of the alternatives suggested below, select the one which expresses the same in Passive/Active voice. Each question carries 1 mark.

[5 x 1 = 5]

11. We waste much time on trifles.
 - (a) Much time was wasted on trifles.
 - (b) Much time will be wasted on trifles.
 - (c) Much is wasted by us on trifles.
 - (d) Much time was wasted on trifles.
12. Who gave you permission to enter?
 - (a) By whom were you given permission to enter?
 - (b) Who has given you permission to enter?
 - (c) By whom you were given permission to enter?
 - (d) You had been given permission to enter.
13. They will ask you a lot of questions at the interview.
 - (a) You are asked a lot of questions at the interview.
 - (b) You were being asked a lot of questions at the interview.
 - (c) You will be asked a lot of questions at the interview.
 - (d) You are being asked a lot of questions at the interview.
14. Do you understand what I mean?
 - (a) What I mean is understood by you?
 - (b) Was what I mean is understood by you?
 - (c) What I mean is that understood by you?
 - (d) Is what I mean understood by you?

15. Has a dog ever bitten you?
 - (a) Are you bitten by a dog?
 - (b) Have you ever been bitten by a dog?
 - (c) Has a dog ever bite you?
 - (d) Have you ever bitten by a dog?

Instructions for Questions 16 to 20: Choose the correct 'one word' for the sentences given below. Each question carries 1 mark.

[5 x 1 = 5]

16. One who lends money at a high rate of interest.
 - (a) Solvent
 - (b) Uxorious
 - (c) Usurer
 - (d) Shylock
17. Mania for setting fires.
 - (a) Pyromania
 - (b) Kleptomania
 - (c) Logomania
 - (d) Polydipsia
18. A perception without object reality.
 - (a) Illusion
 - (b) Cynicism
 - (c) Optimism
 - (d) Hallucination
19. Intellectual damage to arrest production.
 - (a) Sangfroid
 - (b) Sabotage
 - (c) Modus operandi
 - (d) Nemesis
20. Take away or alter the natural qualities of.
 - (a) Authentic
 - (b) Denature
 - (c) Limpid
 - (d) Unadulterated

Instructions for Questions 21 to 25: Choose the correct phrasal verbs for the blanks in the following sentences. Each question carries 1 mark.

[5 x 1 = 5]

21. The recent information was _____ from me.
(a) held away
(b) held off
(c) held back
(d) held out
22. The teacher gives away many examples to _____ the idea contained in the poem.
(a) bring about
(b) bring in
(c) bring forth
(d) bring out
23. Can you please _____ my website just before I publish it.
(a) find out
(b) go through
(c) set up
(d) look up
24. The manager was _____ an explanation of his conduct.
(a) called for
(b) called off
(c) called to
(d) called up
25. His supporters began to _____ and she was left alone.
(a) fall over
(b) fall away
(c) fall off
(d) fall on

Instructions for Questions 26 to 30: Choose the correct synonyms for the following words. Each question carries 1 mark.

[5 x 1 = 5]

26. Abstruse
(a) Awful
(b) Irrelevant
(c) Shallow
(d) Theoretical
27. Empirical
(a) Spiritual
(b) Royal
(c) Practical
(d) Theoretical
28. Preen
(a) Groom
(b) Redeem
(c) Ponder
(d) Prick
29. Dank
(a) Dangerous
(b) Ugly
(c) Plunder
(d) Damp
30. Prognosis
(a) Identification
(b) Preface
(c) Forecast
(d) Scheme

PART - II
GENERAL KNOWLEDGE
(Multiple Choice Questions)

Choose the correct answer for Questions 31 to 55 from the given options. Each question carries 2 marks.

[25 x 2 = 50]

31. Which Indian state/UT is set to have the world's largest covid-19 care facility?
 - (a) New Delhi
 - (b) Maharashtra
 - (c) Gujarat
 - (d) Tamil Nadu
32. Which mobile application is an initiative taken by Andhra Pradesh to curb election malpractices?
 - (a) BOUNCER
 - (b) NIGHA
 - (c) GlassWIRE
 - (d) Firefox
33. Which food aggregator platform has launched a delivery system named 'INSTAMART'?
 - (a) Big Basket
 - (b) Zomato
 - (c) Swiggy
 - (d) Dunzo
34. Which institution recently unveiled 'Param Ananta' super computer?
 - (a) IIT Guwahati
 - (b) NIT Tiruchirappalli
 - (c) IIT Gandhi Nagar
 - (d) IIT Madras
35. The 'PM CARES for Children' scheme was launched under which ministry?
 - (a) Ministry of Women and Child Development
 - (b) Ministry of Social Justice and Empowerment
 - (c) Ministry of law and Justice
 - (d) Ministry of Home Affairs
36. The Whitely Gold Award is presented to people who contributed in which field?
 - (a) Literature
 - (b) Sports and Games
 - (c) Social Service
 - (d) Wild Life and Bio-Diversity Conservation
37. Which country is the first ever official country of honour at the 'Marche Du Film' of Cannes Film Festival?
 - (a) Ukraine
 - (b) India
 - (c) USA
 - (d) New Zealand
38. What is the primary use of India's indigenously developed six new and rare Reference Materials (RMs)?
 - (a) Development of vaccines
 - (b) Development of semi-conductor chips
 - (c) Anti-Doping Analysis
 - (d) Pharmaceutical Analysis
39. The 'One Health' framework has been launched as a pilot project in which Indian state?
 - (a) Uttarakhand
 - (b) Gujarat
 - (c) Goa
 - (d) Haryana
40. GMC Aakraman Sports Arena, a multi-facility sports complex is one of the biggest sports complexes in the entire northeast India. Where is it situated in Sikkim?
 - (a) Namchi
 - (b) Deorali, Gangtok
 - (c) Pelling
 - (d) Tadong, Gangtok

41. Who was the 12th king of Sikkim?
(a) Palden Gyurmed Namgyal
(b) Palden Thondup Namgyal
(c) Topgyal Wangchuk Tenzing Namgyal
(d) Namgyal Topden
42. Who is going to represent Sikkim in the UMAI National Muay Thai Championship 2022 to be held in Indore?
(a) Phurba Sherpa
(b) Phur Khandu Sherpa
(c) Sangam Rai
(d) Burthong Rai
43. Where is the International Kirat Rai Linguistic and Cultural Research Center located in Sikkim?
(a) Rumtek
(b) Ranka
(c) Legship
(d) Rabongla
44. Name the famous dancer/ choreographer of Sikkim who is one of the judges of the 'World Salsa Summit 2022' to be held in Florida?
(a) KT (Kaytee) Namgyal
(b) Sukmit Gurung
(c) Pawan Rai
(d) Girish Pradhan
45. Recently the toll-free number 8884333331 for missed call alert facility for users was launched for which application?
(a) FASTag
(b) BHIM
(c) UMANG
(d) NPS
46. In which part of the body is glycogen stored mainly?
(a) Cartilages and bones
(b) Liver and muscles
(c) Spleen
(d) Lungs
47. Which among the following is the edible part of rice?
(a) Fruit
(b) Cotyledons
(c) Endosperm
(d) Embryo
48. The first glass floor suspension bridge in India is to be built in which state?
(a) Uttarakhand
(b) Arunachal Pradesh
(c) Sikkim
(d) Assam
49. Which Consumer Electronics Company has partnered with Indian Start-up incubator T-Hub to support start-up ecosystem in India?
(a) Realme
(b) OPPO
(c) Xiaomi
(d) Huawei
50. Which country is going to host FIFA World Cup 2022?
(a) Abu Dhabi
(b) Canada
(c) Qatar
(d) Brazil
51. Which international organization launched an interactive service about the covid-19 outbreak named 'Health alert' on Facebook Messenger?
(a) United Nation
(b) WHO
(c) Food and Agricultural Organization
(d) Centers for Disease Control and Prevention

52. What is the name of the microorganism decontamination device developed by CSIR?
- (a) Suraksha
 - (b) Shreyas
 - (c) Samriddhi
 - (d) Sweekar
53. Mosquitoes injected with which bacteria is found to cut the spread of Dengue?
- (a) bacillus
 - (b) Staphylococcus
 - (c) Zika
 - (d) Wolbachia Bacteria
54. What is the new name given to the species of human ancestors, who lived in Africa during the middle Pleistocene?
- (a) Homo africanus
 - (b) Homo chibanian
 - (c) Homo neanderthal
 - (d) Homo bodoensis
55. Which country launched the International Religious Freedom Alliance for protecting religious freedom across the world?
- (a) USA
 - (b) Russia
 - (c) Ukraine
 - (d) India

PART - III
GENERAL ENGLISH
(Conventional Type Questions)

Question number 56 carries 10 marks.

[1 x 10 = 10]

56. Attempt ANY ONE of the following:

- (a) Write a letter to your friend about the book of your favourite author, you recently read.
OR
- (b) Write a letter to your younger brother who has left home for the first time for his higher studies.

Question number 57 carries 10 marks.

[1 x 10 = 10]

57. Attempt ANY ONE of the following:

- (a) Write a report on recent ban on sale of pigs in Sikkim due to African swine fever cases detected.
OR
- (b) Write a report on Sikkim being Covid Free State for the first time after two years.

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