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| JA – 1 |
| Paper – I |
| LANGUAGE TEST (ENGLISH & ODIA) |

Time : 2 hours
(Both for English & Odia)

Full Marks : 100
(English : 50 + Odia : 50)

The figures in the right-hand margin indicate marks.

Candidates should write the answers in two separate Answer Books supplied to them i.e. one for 'English' and another for 'Odia'.

Answer as directed.

Language Test (English)

Answer all questions.

1. (a) Use the correct form of the verb of any **four** of the following : **4**
 - (i) I will come as soon as I _____ (receive) your letter.
 - (ii) I _____ (wait) for two hours. I won't wait any longer.
 - (iii) The examination _____ (begin) tomorrow.

(iv) We arrived at the station before the train
_____ (leave).

(v) _____ (do) any of these children
know English ?

(vi) He _____ (must/can) not be over
forty.

(b) Correct the error of any **eight** of the following :

8

(i) He lacks in courage.

(ii) Will you present at the meeting tomorrow ?

(iii) The Ganga has risen from the Himalayas.

(iv) Take an umbrella in case it may rain.

(v) He resembles like my father.

(vi) We reached at school early.

(vii) We blamed ourself for the accident.

(viii) Who talks much does little.

(ix) What is that animal ?

(x) All the plants in my garden are with
flowers.

(xi) As I was ill, so I could not attend school.

(xii) He is becoming strong every day.

(xiii) It is pleasure to get such a nice gift.

(c) Change the voice of any **two** of the following :

4

(i) The doctor examined the patient.

(ii) He is reading the newspaper.

(iii) Shut the door.

(iv) He has bought two books.

(d) Change into indirect speech of any **two** of the following :

4

(i) David said, "I am writing a letter now".

(ii) "I will work hard to get first class", said Sambit.

(iii) "Don't talk in the class", said the teacher to the boys.

(iv) "Bring me a cup of tea", said Anand to Bibek.

2. Read the following passage and answer the questions given below :

The habit of reading is one of the greatest resources of mankind ; and we enjoy reading books that belong to us much more than if they are borrowed. A borrowed book is like a guest in the house. It must be treated with a certain considerate formality. You must see that it sustains no damage ; it must not suffer under your roof. You cannot leave it carelessly, you cannot mark it,

and you cannot turn down the pages. And then, some day, although this is seldom done, you really ought to return it.

But your own books belong to you ; you treat them with affectionate intimacy. Books are for use, not for show ; you should own no book that you are afraid to mark up, or afraid to place on the table, wide open and face down. A good reason for marking favourite passages in book is that this practice enables you to remember more easily the significant sayings.

Everyone should begin collecting a private library in youth ; the instinct of private property, which is fundamental in human beings, can here be cultivated with every advantage and no evils. One should have one's own book shelf, which should not have doors, glass windows or keys ; they should be free and accessible to the hand as well as to the eye. Most of my indoor life is spent in our room containing six thousand books ; and I have a stock answer to the invariable question that comes from strangers. 'Have you read all of these books ?' 'Some of them twice.' This reply is both true and unexpected.

There are of course no friends like living, breathing men and women ; my devotion to reading has never made me a recluse. How could it ?

Books are of the people, by the people, for the people. But book-friends have this advantage over living friends ; you can enjoy the most truly aristocratic society in the world whenever you want. The great dead are beyond our physical reach, and the great living are usually almost as inaccessible. As for our personal friends and acquaintances, we cannot always see them. But in a private library you can at any moment converse with Socrates of Shakespeare or Dickens or Shaw. They wrote for you and did their best to entertain you. You are necessary to them as an audience is to an actor ; only instead of seeing them masked, you look into their hearts.

10

- (a) How would you treat a borrowed book ?
- (b) What is the advantage of marking favourite passages in a book ?
- (c) How should a book shelf in a private library be ?
- (d) How are book friends better than living friends ?
- (e) How are authors different from actors ?

3. Write an essay on any **one** of the following (within **250 words**) : 10

- (a) Where there's a will there's a way
- (b) A Visit to a Museum
- (c) Importance of Physical Education
- (d) Noise Pollution

4. Answer any **one** of the following in about **150 words** :

You have recently joined a hostel. Write a letter to your mother telling her about your life there. 10

OR

Write a letter to your friend who has recently lost his father.

OR

Write an application to the Chairman of the Municipality emphasizing the need of a library in your area.

OR

Write an application for the post of a teacher in a school.

Language Test (Odia)

Answer all questions.

୧. ଦିଆଯାଇଥିବା ନିର୍ଦ୍ଦେଶ ଅନୁସାରେ ଉତ୍ତର ଦିଅ :

(କ) ଖେଳଣାଟି ସୁନ୍ଦର ହୋଇଛି । ୧

(ବିପ୍ଳୟସୂଚକ ବାକ୍ୟରେ ପରିଣତ କର)

(ଖ) ଯେ ଲାଞ୍ଚ ଖାଏ, ସେ ଦିନେ ନା ଦିନେ ଧରାପଡ଼େ । ୧

(ସରଳ ବାକ୍ୟରେ ପରିଣତ କର)

(ଗ) ବିଶେଷ୍ୟକୁ ବିଶେଷଣରେ ପରିଣତ କର : ୨

ନୀଳିମା, ପିଇବା

(ଘ) ସନ୍ଧିବିଚ୍ଛେଦ କର : ୨

ସଂସ୍କାର, ମୃଣ୍ମୟ

(ଙ) ଏକପଦରେ ପରିଣତ କର : ୩

ଜାୟା ଓ ପତି, ପଥମାନଙ୍କର ରାଜା ।

(ଚ) ବିପରୀତାର୍ଥ ଶବ୍ଦ ଲେଖ : ୨

କୀର୍ତ୍ତି, ସାମ୍ୟ

(ଛ) ଶବ୍ଦ ଅଶୁଦ୍ଧଥିଲେ ସଂଶୋଧନ କର : ୩

ସୂର୍ଯ୍ୟପରାଗ, ସୌଜନ୍ୟତା, ଦୁରାବସ୍ଥା

(ଜ) ଗୁଡ଼ିପ୍ରୟୋଗର ଅର୍ଥ ଦର୍ଶାଇ ବାକ୍ୟଗଠନ କର : ୨

ଚିତା କାଟିବା, ଘର ଭୁଲି କୁସୀର

(ଝ) କୃତ୍ତିତ୍ୱ ବା ଚର୍ଚ୍ଚିତ ପ୍ରତ୍ୟକ୍ଷ ଲଗାଇ ଏକପଦରେ ପରିଣତ କର :

9

କୃପଣର ଭାବ, ନିଶା ଅଭ୍ୟାସ ଯାହାର

(ଛ) କି ସୁନ୍ଦର ଏ ଚିଲିକା ରାଧାନାଥ ଯଥାର୍ଥରେ କହିଛନ୍ତି : 9

ଉତ୍କଳ କମଳା ବିଳାସ ଦୀର୍ଘିକା (ଉପଯୁକ୍ତ ବିରାମଚିହ୍ନ ଦିଅ)

୨. ଯେକୌଣସି ଗୋଟିଏ ବିଷୟରେ ୨୫୦ ଶବ୍ଦମଧ୍ୟରେ ପ୍ରବନ୍ଧ ଲେଖ :

୧୦

ଶିକ୍ଷା ଓ ନୈତିକତା, ଜଳହିଁ ଜୀବନ

୩. ତୁମ ଅଞ୍ଚଳରେ ବେଆଇନ୍ କ୍ରସରଗୁଡ଼ିକ ପ୍ରତ୍ୟକ୍ଷ ସୃଷ୍ଟି କରୁଛି ।

ଏହାର ନିରାକରଣ ପାଇଁ, ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଜିଲ୍ଲାପାଳଙ୍କ ପାଖକୁ ଏକ ଦରଖାସ୍ତ ଲେଖ । ୫

କିମ୍ବା

ତୁମ ଅଞ୍ଚଳ ପାଇଁ କିଶିବାକୁଥିବା ଦଶଟି କମ୍ପ୍ୟୁଟର ଓ ଦୁଇଟି ପ୍ରିଣ୍ଟର ପାଇଁ ଜଉମୁଦ୍ଦିଆ ଟେଣ୍ଡର ପାଇଁ ୧୫୦ ଶବ୍ଦରେ ଏକ ବିଜ୍ଞାପନ ଲେଖ ।

୪. ଓଡ଼ିଆରେ ଅନୁବାଦ କର :

୫

In these days of nano-technology there are many people who ask : why waste time on literature ? Will it help us to conquer outer space, will it help us to produce more gold, better industry or super

computer ? Behind all such questions there is mistaken idea about the purpose of education and about standards of value. The primary purpose of education is not utilitarian. The main function of education is not to give training for a job, but to produce balanced citizens, not human sponges, to make better and wiser and happier citizens. The greatest writers are continually concerned with these universal problems. The reading of great literature is valuable in itself and needs no apology or explanation that it is delightful, at the same time educational.

୪. ନିମ୍ନ ପରିଚ୍ଛେଦଟି ଧ୍ୟାନପୂର୍ବକ ପଢ଼ ଓ ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ :

$$୨ \times ୫ = ୧୦$$

ଲୋକଙ୍କ ଭିତରେ ବେଳେବେଳେ ପ୍ରଲୟ ଆଡ଼ଙ୍କ କାହିଁକି ଖେଳିଯାଏ, ତା'ର ମନୋବୈଜ୍ଞାନିକ କାରଣ ବିଶ୍ଳେଷଣ କରିବା କଟିଳ ବିଷୟ । କିଛି ଗୋଟିଏ କାରଣକୁ ଆଶାକରି ପ୍ରଲୟ-ବିଳାସରେ ମାତିଯିବା ଜନତାର ଏକ ଜଣାଶୁଣା ଦୁର୍ବଳତା । ପୃଥିବୀର ବିଭିନ୍ନ ଦେଶରେ ଜ୍ୟୋତିଷ ବା ଭବିଷ୍ୟବତ୍ତାମାନେ ପ୍ରଲୟର ଗୋଟିଏ ତାରିଖ ଘୋଷଣା କରିଦେବା ଫଳରେ ନାନା କାଣ୍ଡ ଘଟେ । ପଞ୍ଚଗ୍ରହକୁଟ ନାଟକଟି

ଆମ ଦେଶରେ କୋଡ଼ିଏ ପଡ଼ିଶ ବର୍ଷରେ ଥରେ ଅଭିନୀତ ହୁଏ ।
ତା ସାଙ୍ଗକୁ ପୁଣି ବାରହାତ ଖଣ୍ଡା ବାହାରିବା କଥା ରହିଛି । ମାଳିକା
କହିଛି, ଭୀମଭୋଜ କହିଛନ୍ତି । ତାଙ୍କକଥା କ'ଣ ମିଛହେବ ?
ଏ ପ୍ରକାର ଅହେତୁକ ବିଶ୍ୱାସ ଆମ ସମାଜରେ ଅଯଥା ଆଡ଼ଙ୍କ
ଖେଳାଏ ।

- (କ) ଜନତାର ଦୁର୍ବଳତା କ'ଣ ?
- (ଖ) କାହାକୁ ଏଠାରେ ନାଟକ କୁହାଯାଇଛି ?
- (ଗ) କାହାକଥାକୁ ଆମେ ମିଛବୋଲି କହୁନା ?
- (ଘ) ପଞ୍ଚଗ୍ରହଚୂଟ, ବାରହାତ ଖଣ୍ଡା ବିଶ୍ୱାସଟି କି ପ୍ରକାର ବିଶ୍ୱାସ ?
- (ଙ) କାହାକୁ ଏଠାରେ ଜଟିଳ ବିଷୟ ବୋଲି କୁହାଯାଇଛି ?

ଓଡ଼ିଆ

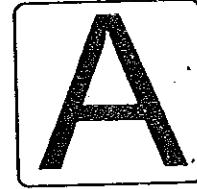
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T. B. C. : JA - 2

Test Booklet Series

Serial No.

2849



TEST BOOKLET
JUNIOR ASSISTANT
PAPER - II (GENERAL KNOWLEDGE)

Time Allowed : 1 Hour

Maximum Marks : 100

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS 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 OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY TEST BOOKLET SERIES **A, B, C** OR **D**, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **100** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided, by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be negative markings for wrong answers.** 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
7. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
8. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the **Answer Sheet** issued to you. You are allowed to take with you the candidate's copy/second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination for your reference.

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SEAL

1. Who was the first Indian Governor-General of Independent India ?
 (A) Lord Louis Mountbatten
 (B) Jawaharlal Nehru
 (C) Sardar Vallabhbhai Patel
 (D) C. Rajagopalchari
2. Who of the following is the President of Sri Lanka ?
 (A) Maithripala Sirisena
 (B) Chandrika Kumartunge
 (C) Mahinda Rajapakshe
 (D) K. M. De Silva
3. The language of the discourses of Gautam Buddha was :
 (A) Bhojpuri
 (B) Magadhi
 (C) Pali
 (D) Sanskrit
4. Who of the following visited Nalanda University during the reign of King Harsha ?
 (A) Hieun Tsang
 (B) Fahien
 (C) Megasthenes
 (D) None of these
5. The theory of economic drain of India during British imperialism was propounded by :
 (A) M. K. Gandhi
 (B) Jawaharlal Nehru
 (C) Dadabhai Naoroji
 (D) R. C. Dutt
6. The founder of All India National Congress was :
 (A) A. O. Hume
 (B) Jawaharlal Nehru
 (C) M. K. Gandhi
 (D) Subhas Chandra Bose
7. The Prime Minister is the Chairman of :
 (A) NITI Aayog
 (B) Union Public Service Commission
 (C) Finance Commission
 (D) Minorities Commission
8. Which State of India records the highest production of tea ?
 (A) West Bengal
 (B) Kerala
 (C) Tamil Nadu
 (D) Assam
9. Which of the following is not a Union Territory ?
 (A) Arunachal Pradesh
 (B) Lakshadweep
 (C) Andaman & Nicobar Islands
 (D) Pudduchery
10. Which of the following countries hosted SAARC Summit-2014 ?
 (A) India
 (B) Sri Lanka
 (C) Nepal
 (D) Bangladesh

11. Which of the following countries is not a member of ASEAN ?
 (A) China
 (B) Thailand
 (C) Singapore
 (D) Philippines
12. Who of the following is the Prime Minister of Australia ?
 (A) Angela Merkel
 (B) Tony Abbott
 (C) David Cameron
 (D) Vladimir Putin
13. Renowned dancer Sitara Devi was an exponent of which classical dance form ?
 (A) Bharatnatyam
 (B) Kathakali
 (C) Odissi
 (D) Kathak
14. What is the name of the autobiography of Sachin Tendulkar ?
 (A) Playing It My Way
 (B) Cricket-My Life
 (C) On the Edge of Fire
 (D) Playing for the Play
15. 'Train to Pakistan' was written by :
 (A) Amrita Pritam
 (B) Khushwant Singh
 (C) Benazir Bhutto
 (D) Z.A. Bhutto
16. For which of the following films Kangana Ranawat received the National Award for Best Actress ?
 (A) Gangster
 (B) Fashion
 (C) Queen
 (D) Highway
17. Who discovered Penicillin ?
 (A) Alexander Fleming
 (B) William Harvey
 (C) Joseph Lister
 (D) Madam Curie
18. The 2014 Asian Games was held in :
 (A) South Korea
 (B) Japan
 (C) China
 (D) Thailand
19. The Wheeler Island is famous for :
 (A) Crocodile Breeding
 (B) Remote Sensing
 (C) Launching of Missiles
 (D) Fishing
20. Which of the following countries is known as Land of the Midnight Sun ?
 (A) Norway
 (B) Finland
 (C) Switzerland
 (D) Japan
21. Which of the following was created the 29th State of India ?
 (A) Uttarakhand
 (B) Telangana
 (C) Jharkhand
 (D) Chhattisgarh

22. Which of the following countries does not enjoy veto power in UN Security Council ?
 (A) China
 (B) India
 (C) USA
 (D) UK
23. International Human Rights Day is celebrated on :
 (A) 10th December
 (B) 10th March
 (C) 1st December
 (D) 24th October
24. W. Rontgen is associated with the discovery of :
 (A) X-Ray
 (B) Stethoscope
 (C) Thermometer
 (D) Ultrasound
25. Who among the following has authored the Book 'Hind Swaraj' ?
 (A) Bal Gangadhar Tilak
 (B) Mahatma Gandhi
 (C) Gopal Krishna Gokhale
 (D) M. G. Ranade
26. In which of the following States Kandla port is situated ?
 (A) Goa
 (B) Gujarat
 (C) Kerala
 (D) Karnataka
27. The Headquarters of International Court of Justice is located at :
 (A) New York
 (B) The Hague
 (C) Paris
 (D) Washington
28. The first modern regular census in India was started in 1881 by :
 (A) Lord Ripon
 (B) Lord Lytton
 (C) Lord Powell
 (D) Lord Clive
29. The gases most responsible for global warming are :
 (A) Carbon dioxide and Methane
 (B) Ammonia and Butane
 (C) Radon and Nitrogen
 (D) Ozone and Hydrogen Chloride
30. Irani Trophy is associated with which of the following games ?
 (A) Badminton
 (B) Golf
 (C) Cricket
 (D) Football
31. Kalhana's work 'Rajatarangini' is an important source material for the study of which one of the following :
 (A) Ancient Kamrupa
 (B) Post-Mauryan Magadha
 (C) Medieval Rajasthan
 (D) Early Medieval Kashmir
32. Who is the author of the God of Small Things ?
 (A) Arundhati Roy
 (B) Kiran Desai
 (C) Salman Rushdie
 (D) V. S. Naipaul

33. 'An Inconvenient Truth' is a film directed by Al Gore to promote public awareness about :
- (A) Terrorism
 - (B) Global Warming
 - (C) Nuclear Threat
 - (D) Communalism
34. Who is the father of Immunology ?
- (A) Louis Pasteur
 - (B) Robert Koch
 - (C) Landsteiner
 - (D) Edward Jenner
35. Which of the following fossil fuels is the cleanest fuel ?
- (A) Coal
 - (B) Petrol
 - (C) Natural Gas
 - (D) Diesel
36. Meghnad Shah is known for his contribution in which of the following fields ?
- (A) Physics
 - (B) Medical Science
 - (C) Environmental Science
 - (D) History
37. Ozone Layer of the Earth's atmosphere is important for living organisms because it :
- (A) Prevents entry of ultra-violet rays
 - (B) Prevents entry of X-rays
 - (C) Maintains level of Oxygen on Earth
 - (D) Prevents acid rain on earth
38. Hygrometer is an instrument which measures :
- (A) Electric Current
 - (B) Level of Humidity
 - (C) Depth of the Ocean
 - (D) Magnetic Flux
39. Who is the United States of America's Ambassador to India ?
- (A) Albert Peter Burlleigh
 - (B) Nadir Powell Patel
 - (C) Kathleen Stephens
 - (D) Richard Rahul Verma
40. Who invented Dynamo ?
- (A) Michael Faraday
 - (B) Gutenberg
 - (C) MacMillan
 - (D) Pascal
41. What is Bachpan Bachao Andolan ?
- (A) It is a movement to provide primary education to all children
 - (B) Supreme Court's Directive to Schools to reduce the weight of school bags
 - (C) A movement in India protecting the rights of children
 - (D) A movement in Pakistan to protect the girl child

42. Which of the following statements is closely associated with Boko Haram ?
- It is an organization opposed to Western education in Nigeria
 - It is fighting for freedom against the oppressive Nigerian Regime
 - It is an arm of the Nigerian government to promote Islam
 - It is an organization set up for abducting women
43. Where is the Headquarters of UNESCO ?
- Washington
 - Beijing
 - Tokyo
 - Paris
44. The Great Barrier Reef is located in which country ?
- Chile
 - Australia
 - USA
 - Indonesia
45. Which continent of the world does not have a desert ?
- Australia
 - Europe
 - Asia
 - North America
46. Which of the following political leaders was recently awarded Bharat Ratna ?
- A. B. Vajpayee
 - Sonia Gandhi
 - L. K. Advani
 - Biju Patnaik
47. Who is the Union Cabinet Minister of Human Resources Development ?
- Murli Manohar Joshi
 - Arun Jaitley
 - Uma Bharti
 - Smriti Irani
48. Who of the following is the author of the famous book 'Das Capital' ?
- Adam Smith
 - Karl Marx
 - Rousseau
 - Voltaire
49. In which of the following States of India Loktak lake situated ?
- Manipur
 - Assam
 - Jammu & Kashmir
 - Meghalaya
50. Cloudy nights are warmer compared to clear cloudless nights, because clouds :
- Prevent cold waves from the sky from descending on Earth
 - Reflect back the heat given off by Earth
 - Produce heat and radiate it towards Earth
 - Absorb heat from the atmosphere and send it towards Earth

51. Acid Rain is caused by the pollution of the environment by :

- (A) Carbon dioxide and Nitrogen
- (B) Carbon monoxide and Carbon dioxide
- (C) Ozone and Carbon oxide
- (D) Nitrous oxide and Sulphur dioxide

52. Who invented Dynamite ?

- (A) Alfred Nobel
- (B) Charles Boyle
- (C) Samuel Cohen
- (D) H. W. Seeley

53. How is Ban Ki-moon known as ?

- (A) President of South Korea
- (B) Head of World Bank
- (C) A famous scientist of Genetic Engineering
- (D) Secretary-General of UN

54. Which of the following is the capital of Canada ?

- (A) Ottawa
- (B) Toronto
- (C) Montreal
- (D) Bogota

55. What does FDI stand for ?

- (A) Foreign Development Investment
- (B) Foreign Direct Investment

- (C) French Development Institute
- (D) Foreign Development Investment

56. Ebola is a :

- (A) Terrorist Organisation
- (B) Deadly Virus
- (C) AIDS Test
- (D) An animal in Africa

57. Where is the Headquarters of WHO located ?

- (A) Geneva
- (B) New York
- (C) Manila
- (D) Paris

58. Indus Water Treaty is a pact on sharing of river water between India and _____

- (A) Bangladesh
- (B) Pakistan
- (C) Nepal
- (D) Afghanistan

59. Who of the following is not a recipient of Jnanpith Award ?

- (A) Pratiba Ray
- (B) Sitakanta Mahapatra
- (C) Gopinath Mohanty
- (D) Manoj Das

60. From which of the following space stations was Mangalayan launched ?

- (A) Sriharikota
- (B) Balasore
- (C) Thumba
- (D) Wheeler Island

81. Neutron was discovered by :
(A) Mosley
(B) Rutherford
(C) Thomson
(D) Chadwick
82. The recipients of Nobel Peace Prize for the year 2014 belong to :
(A) India and Pakistan
(B) China and Japan
(C) USA and UK
(D) Australia and New Zealand
83. Which one of the following mathematician invented decimal place value ?
(A) Bhaskar
(B) Varahamihira
(C) Brahmagupta
(D) Aryabhatta
84. Which among the following is the largest rubber producing State in India ?
(A) Karnataka
(B) Tamil Nadu
(C) Kerala
(D) Maharashtra
85. Which of the following is known as the Pink City of India ?
(A) Udaipur
(B) Jaipur
(C) Hyderabad
(D) Ahmedabad
86. The Sarkaria Commission Report, deals with which one of the following ?
(A) Corruption in India
(B) Center-State Relations
(C) Local Governance
(D) Inter-State Dispute
87. The concept of Human Rights primarily emphasizes on :
(A) Right to Property
(B) Right to Equality
(C) Right to Religion
(D) Dignity of Man as a human being
88. The minimum land area recommended for forest cover to maintain proper ecological balance in India is :
(A) 25%
(B) 33%
(C) 43%
(D) 53%
89. Who is the Chief Justice of India ?
(A) R. M. Lodha
(B) H. L. Dattu
(C) K. G. Balakrishnan
(D) Altamas Kabir
90. Where was 35th National Games of 2015 held ?
(A) Kerala
(B) Tamil Nadu
(C) Punjab
(D) Andhra Pradesh

91. Where is Bhabha Atomic Research Center located ?
(A) Mumbai
(B) Delhi
(C) Pune
(D) Chennai
92. The Battle of Plassey was fought in the year :
(A) 1557
(B) 1857
(C) 1657
(D) 1757
93. In which of the following cities the Statue of Liberty is situated ?
(A) New York
(B) Washington
(C) Paris
(D) London
94. The term 'Sustainable development' has been derived from :
(A) The Brundtland Commission Report
(B) The United Nations Conference on Sustainable Development
(C) The Millennium Development Goals
(D) The Earth Summit
95. India exploded its first nuclear device in the year :
(A) 1976
(B) 1974
(C) 1994
(D) 1991
96. Who is the Chief Election Commissioner of India ?
(A) H. S. Brahma
(B) N. Gopalaswami
(C) Kuldeep Singh
(D) Dr. Nasim Zaidi
97. In which State is Kudankulam Nuclear Power Plant located ?
(A) Karnataka
(B) Tamil Nadu
(C) Kerala
(D) Maharashtra
98. With which game Saina Nehwal is associated ?
(A) Badminton
(B) Tennis
(C) Chess
(D) Table Tennis
99. Which day is observed as National Science Day ?
(A) 28th February
(B) 8th March
(C) 1st December
(D) 10th January
100. What is the currency of Japan ?
(A) Yuan
(B) Yen
(C) Won
(D) Dinar

SPACE FOR ROUGH WORK



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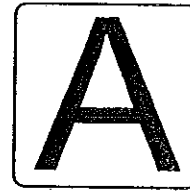
Test Booklet Series

Serial No.

3193

TEST BOOKLET

JUNIOR ASSISTANT



PAPER – III (MATHEMATICS AND BASIC COMPUTER SKILLS)

Time Allowed : 3 Hours

Maximum Marks : 200
(Mathematics – 100 & Basic
Computer Skills – 100)

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS 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 OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C OR D**, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **100 items** (questions). i. e. **Q. No. 1 to 50 Mathematics & Q. No. 51 to 100 Basic Computer Skills**. Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided, by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet. You should use the same Answer Sheet for both parts, i. e. **Mathematics (Q. Nos. 1 to 50) & Basic Computer Skills (Q. Nos. 51 to 100)**.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be negative markings for wrong answers**. 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
7. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
8. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the **Answer Sheet** issued to you. You are allowed to take with you the candidate's copy/second page of the Answer Sheet along with the *Test Booklet* after completion of the examination for your reference.

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SEAL

MATHEMATICS

1. The cube root of 0.000216 is :
 (A) .6
 (B) .06
 (C) .7
 (D) .87
2. $0.169 \times ? = (1.3)^2$:
 (A) 100
 (B) 10
 (C) 1000
 (D) None of these
3. If $\sqrt{1 + \frac{x}{144}} = \frac{15}{13}$ then value of x is :
 (A) 47
 (B) 48.2
 (C) 47.72
 (D) 46.22
4. If $x = \frac{\sqrt{3}+1}{\sqrt{3}-1}$ and $y = \frac{\sqrt{3}-1}{\sqrt{3}+1}$ then the value of $x^2 - y^2$ is :
 (A) $10\sqrt{3}$
 (B) $8\sqrt{3}$
 (C) 14
 (D) 12
5. A fruit seller had some apples. He sells 40% apples and still had 420 apples. So originally he had :
 (A) 588 apples
 (B) 600 apples
 (C) 672 apples
 (D) 700 apples
6. Rajeev buys goods worth ₹ 6650 and he gets a rebate of 6% on it. After getting rebate he pays sales tax @ 10%. Find the amount he will have to pay for goods :
 (A) ₹ 6878.10
 (B) ₹ 6999.20
 (C) ₹ 6654
 (D) ₹ 7000
7. If A earns 25% more than B, what percent less does B earn than A ?
 (A) 10%
 (B) 20%
 (C) 25%
 (D) 30%
8. The population of a town increased from 1,75,000 to 2,62,000 in a decade. The average percent increases of population per year is :
 (A) 6%
 (B) 5%
 (C) 4.37%
 (D) 8.75%

9. In the first 10 overs of a cricket game the run rate was 3.2. What should be the run rate in the remaining 40 overs to reach the target of 280 runs ?
- (A) 6.2
(B) 6.25
(C) 7
(D) 7.25
10. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 Kg. Find the average weight of all the boys in the class :
- (A) 48.55
(B) 47.25
(C) 48
(D) 49.55
11. The average of 100 numbers is 44. The average of these 100 numbers and 4 other new numbers is 50. What is the average of the 4 new numbers ?
- (A) 800
(B) 176
(C) 200
(D) 24
12. The average of two numbers A and B is 20, that of B and C is 19 and of C and A is 21. Find the value of A :
- (A) 20
(B) 22
(C) 24
(D) 18
13. A person borrows ₹ 500 for $1\frac{1}{2}$ years at 2 paise simple interest per month. Find the interest he has to pay :
- (A) ₹ 210
(B) ₹ 180
(C) ₹ 232
(D) ₹ 184.50
14. If a sum of money at simple interest doubles in 12 years find the rate of interest per annum :
- (A) $8\frac{1}{3}\%$
(B) $16\frac{2}{3}\%$
(C) 7.5%
(D) 10%

15. Find the compound interest for 3 years when the principal is ₹ 800 and rate of interest is 5% :
- (A) ₹ 962.20
(B) ₹ 926.10
(C) ₹ 900
(D) ₹ 856.50
16. A car costs ₹ 16,000. When it is used by the owner its price decreases at the rate of 5% per year. What will be its price after 3 years ?
- (A) ₹ 1400
(B) ₹ 13718
(C) ₹ 15615
(D) ₹ 15000
17. Find the Tax payable when Taxable income is ₹ 6900 and savings under Section 88 is ₹ 6500. [From 6,000 to 1,50,000, Tax is 1,000 + 20%] & 2% surcharge of I. Tax shall be levied.
- (A) ₹ 1,530
(B) ₹ 1,500
(C) ₹ 1,260
(D) ₹ 1,560
18. Manas bought a watch costing ₹ 1,650. If the amount includes 10% Sale Tax on the list price, find the list price of the watch :
- (A) ₹ 1,550
(B) ₹ 1,650
(C) ₹ 1,600
(D) ₹ 1,500
19. A company with 10,000 shares of nominal value ₹ 100 declares an annual dividend of 8% to the share holders. Find the amount of dividend paid by the company :
- (A) ₹ 80,000
(B) ₹ 88,800
(C) ₹ 88,000
(D) ₹ 80,800
20. How much should a man invest in 10 shares selling in ₹ 13 each to obtain an income of ₹ 150 if the dividend declared by the company is 15% ?
- (A) ₹ 1,000
(B) ₹ 1,300
(C) ₹ 1,500
(D) ₹ 1,530

21. A sells an article to B at a profit of 10%. B sells the article back to A at a loss of 10%. In this transaction the profit of A is :
- (A) 11%
(B) 20%
(C) 15%
(D) 12%
22. If a man was to sell his chair for ₹ 720, he would lose 25%. To gain 25% he should sell it for :
- (A) ₹ 1,000
(B) ₹ 1,200
(C) ₹ 1,960
(D) ₹ 1,900
23. The listed price of a shirt is ₹ 270 and it is available at ₹ 237.60. Find the rate of discount :
- (A) 10%
(B) 12%
(C) 14%
(D) 16%
24. Find the discount equivalent to successive discounts of 20% and 10% :
- (A) 25%
(B) 27%
(C) 28%
(D) 17%
25. Find the mean of the following data :
10, 15, 12, 16, 15, 10, 14, 15, 12, 10
- (A) 15
(B) 12.9
(C) 11.8
(D) 13
26. Find the median of the first five odd integers :
- (A) 5
(B) 3
(C) 4
(D) 6
27. The mean of five data is 10. If a new variate is included then the mean becomes 11. Find the sixth data :
- (A) 16
(B) 11
(C) 18
(D) 14

28. Find the median of the following :

7, 7, 10, 6, 7, 9, 8, 7, 6, 7, 8, 9, 6, 6,
7, 6, 7, 7, 8

(A) 6

(B) 7

(C) 8

(D) 9

29. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days then the fraction of the work that is left is :

(A) $\frac{1}{4}$

(B) $\frac{7}{15}$

(C) $\frac{8}{15}$

(D) $\frac{1}{10}$

30. 4 men and 6 women can complete a work in 8 days while 3 men and 7 women can complete the same in 10 days. In how many days will 10 women complete the work ?

(A) 35

(B) 40

(C) 45

(D) 50

31. P works twice as fast as Q. If Q alone can complete the work in 12 days, the number of days in which both P and Q can together finish is :

(A) 4

(B) 6

(C) 8

(D) 18

32. Reena can do a piece of work in 20 days and Meena is 25% more efficient than Reena. The number of days taken by Meena to do the same piece of work is :

(A) 15

(B) 16

(C) 25

(D) 18

33. A man on tour travels first 160 km at 64 kmph and the next 160 km. at 80 kmph. The average speed of the 1st 320 km of the tour is :

(A) 35.55 kmph

(B) 71.11 kmph

(C) 71 kmph

(D) 36 kmph

34. A car travelling with $\frac{5}{7}$ of its actual speed covers 42 km in 1 hour 40 min 48 sec. Find the actual speed of the car :
- (A) 35 kmph
(B) 45 kmph
(C) 53 kmph
(D) 55 kmph
35. Buses start from a Bus Terminal with a speed of 20 kmph at 10 mins. interval. What is the speed of a man coming from opposite direction towards the Bus Terminal if he meets the Buses at an interval of 8 minutes ?
- (A) 3 kmph
(B) 4 kmph
(C) 5 kmph
(D) 6 kmph
36. Two men start together from the same place in the same direction to go round a circular path. If one takes 10 mins and the other takes 15 mins to make one complete round, they will meet after :
- (A) 40 mins
(B) 30 mins
(C) 45 mins
(D) 33 mins
37. If the work done by $(x - 1)$ men in $(x + 1)$ days are in the ratio 5 : 6 to the work done by $(x + 1)$ man in $(x + 2)$ days then find x :
- (A) 15
(B) 16
(C) 14
(D) 17
38. The monthly salaries of two persons are in the ratio 3 : 5. If each receives an increase of ₹ 20 in salary, the ratio changes to 13 : 21. Find their salaries :
- (A) ₹ 240 & ₹ 400
(B) ₹ 200 & ₹ 440
(C) ₹ 240 & ₹ 320
(D) None of these
39. What should be added to each term of the ratio 7 : 13 so that the ratio becomes 2 : 3 ?
- (A) 15
(B) 5
(C) 3
(D) 8

40. Find the number which bears the same ratio to $\frac{8}{55}$ that $\frac{7}{9}$ does

to $\frac{2}{33}$:

(A) $\frac{28}{15}$

(B) $\frac{18}{25}$

(C) $\frac{13}{27}$

(D) $\frac{25}{28}$

41. In what ratio must water be mixed with milk to gain 20% by selling the mixture at cost price ?

(A) 1 : 5

(B) 5 : 6

(C) 2 : 3

(D) 1 : 6

42. In what ratio must rice at ₹ 9.30 per kg be mixed with rice at ₹ 10.80 per kg so that the mixture be worth ₹ 10 per kg ?

(A) 5 : 7

(B) 8 : 7

(C) 3 : 7

(D) 2 : 5

43. In what ratio must a grocer mix two varieties of tea worth ₹ 60 per kg and ₹ 65 per kg so that selling of mixture at ₹ 68.20 per kg he may gain 10% ?

(A) 3 : 2

(B) 3 : 4

(C) 3 : 5

(D) 4 : 5

44. A dishonest milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 25%. The percentage of water in the mixture is :

(A) 4%

(B) $6\frac{1}{4}\%$

(C) 20%

(D) 25%

45. A, B and C started a business by investing ₹ 1,20,000, ₹ 1,35,000 and ₹ 1,50,000 respectively. Find the share of A out of an annual profit of ₹ 56,700 :

(A) ₹ 18,000

(B) ₹ 16,800

(C) ₹ 18,900

(D) ₹ 17,600

46. Kamal started a business by investing ₹ 50,000. After 6 months Nanda joined him with a capital of ₹ 80,000. After 3 years they earned a profit of ₹ 24,500. Find Kamal's share in the profit :

- (A) ₹ 9,423
- (B) ₹ 10,500
- (C) ₹ 12,500
- (D) ₹ 14,000

47. A, B, C hired a car for ₹ 520 and used it for 7, 8 and 9 hours respectively. Hire charges paid by B were :

- (A) ₹ 140
- (B) ₹ 160
- (C) ₹ 180
- (D) ₹ 220

48. Deepak, Anand and Simran entered in partnership. Deepak invests 3 times what Anand invests and Anand invests $\frac{2}{3}$ rd of what Simran

invests. At the end of the year the profit earned is ₹ 6,600. Find the share of Anand :

- (A) ₹ 1,600
- (B) ₹ 1,200
- (C) ₹ 1,400
- (D) ₹ 1,000

49. An aeroplane flies along the four sides of a square field at the speed of 200, 400, 600 and 800 kmph. Find the average speed of the plane round the field :

- (A) 278 kmph
- (B) 365 kmph
- (C) 384 kmph
- (D) 247 kmph

50. A boat goes 7 km upstream in 42 mins. and the speed of the stream is 3 kmph. Find the speed of the boat in still water :

- (A) 4.2 kmph
- (B) 9 kmph
- (C) 13 kmph
- (D) 21 kmph

BASIC COMPUTER SKILLS

51. An icon represents :
(A) A Program
(B) A file
(C) Both (A) and (B)
(D) None of the above
52. To close a window press :
(A) Ctrl + W
(B) Ctrl + F4
(C) Alt + C
(D) Alt + F4
53. A _____ is a window component that is designed to store other components so that these can be organized efficiently.
(A) Document
(B) Window
(C) Folder
(D) All of the above
54. _____ are the list of commands that appear on screen.
(A) Windows
(B) GUIs
(C) Icons
(D) Menus
55. To change the way items are displayed in windows, we should use :
(A) View menu
(B) Control menu
(C) Mouse
(D) All of the above
56. How many columns of items does a classic start menu contain ?
(A) 1
(B) 2
(C) 3
(D) Can't be determined
57. _____ is used to display the system menu for the active window.
(A) Shift + F10
(B) Ctrl + tab
(C) Alt + esc
(D) Alt + spacebar
58. What is the shortcut key to open my computer ?
(A) Windows + E
(B) Windows + F
(C) Windows + F1
(D) Windows + A
59. The screen saver automatically starts when the computer is idle for the number of minutes specified in _____.
(A) Time
(B) Wait
(C) Display
(D) None of these

60. The bottom bar of the windows is known as :
- (A) Task bar
(B) Menu bar
(C) Click bar
(D) Title bar
61. You can't close MS Word by :
- (A) Choosing file menu then exit submenu
(B) Press Alt + F4
(C) Click X button on title bar
(D) From file menu choose close submenu
62. What is the shortcut key to open the OPEN dialogue box in MS Word ?
- (A) F12
(B) Alt + F12
(C) Ctrl + F12
(D) Shift + F12
63. Which file starts MS Word ?
- (A) Winword.exe
(B) Word.exe
(C) Msword.exe
(D) Word2003.exe
64. Background color or effects applied on a document in MS Word is not visible in :
- (A) Web layout view
(B) Print layout view
(C) Reading view
(D) Print preview
65. Pressing F8 key 5 times in MS Word selects :
- (A) A word
(B) A sentence
(C) A paragraph
(D) Entire document
66. What is the shortcut key you can press to create a copyright symbol in MS Word ?
- (A) Alt + Ctrl + C
(B) Alt + C
(C) Ctrl + C
(D) Ctrl + Shift + C
67. Which of the following function key activates the speller in MS Word ?
- (A) F5
(B) F7
(C) F9
(D) Shift + F7
68. What is the maximum number of columns that can be made in a MS Word document ?
- (A) 6
(B) 10
(C) 12
(D) 16

69. In MS Word, portrait and landscape features are :
 (A) Page orientation
 (B) Paper size
 (C) Page display
 (D) All of the above
70. The Ctrl + H command in MS Word is used to :
 (A) Hide data
 (B) Find and replace
 (C) Save
 (D) Copy
71. Which is the shortcut key to insert a new slide in current presentation ?
 (A) Ctrl + N
 (B) Ctrl + M
 (C) Ctrl + S
 (D) All of the above
72. From which menu you can access picture, text box and chart in PowerPoint :
 (A) File
 (B) Edit
 (C) Insert
 (D) View
73. Which of the following font effects are not available in PowerPoint font dialogue box ?
 (A) Underline
 (B) Shadow
 (C) Emboss
 (D) Strikethrough
74. The effect applied to display when slides change in slide show view is :
 (A) Slide animation
 (B) Custom animation
 (C) Custom transition
 (D) Slide transition
75. To start slide show of a presentation :
 (A) Hit F5 key
 (B) From slide show menu choose view show option
 (C) From slide show menu choose rehearse timing
 (D) Both (A) and (B)
76. Which tab is not available on left panel when you open a presentation ?
 (A) Outline
 (B) Slides
 (C) Notes
 (D) Both (A) and (B)
77. In order to edit a chart, you can :
 (A) Triple click the chart object
 (B) Click and drag the chart object
 (C) Double click the chart object
 (D) Click the chart object

78. To exit PowerPoint :
- (A) Click the application minimize button
- (B) Click the document close button
- (C) Double click the application control menu icon
- (D) Double click the document control menu icon
79. How can you create a uniform appearance by adding a background image to all slides ?
- (A) Create a template
- (B) Edit the slide master
- (C) Use the autocorrect wizard
- (D) All of the above
80. In Microsoft PowerPoint in order to see all the slides on one screen use :
- (A) View, slide sorter
- (B) View, slide
- (C) View, master
- (D) View, slide show
81. Which of the following keyboard shoutcut can be used for creating a chart from the selected cells ?
- (A) F11
- (B) F10
- (C) F4
- (D) F2
82. Which of the following is not associated with spelling dialogue box in MS Excel ?
- (A) Edit
- (B) Ignore
- (C) Ignore all
- (D) Change
83. What term describes a background that appears as a gradual change of colors in a chart in MS Excel ?
- (A) Pattern
- (B) Gradient
- (C) Texture
- (D) Velvet
84. When you copy a formula :
- (A) Excel erases the original copy of the formula
- (B) Excel edits cell references in the newly copied formula
- (C) Excel adjusts absolute cell references
- (D) Excel doesn't adjust relative cell references

85. What function displays row data in a column or column data in a row ?
- (A) Transpose
 - (B) Index
 - (C) Rows
 - (D) Hyperlinks
86. Except which of the following functions, a formulae with a logical function shows the word TRUE and FALSE as a result :
- (A) NOT
 - (B) OR
 - (C) IF
 - (D) AND
87. In MS Excel a typical worksheet by default has _____ number of columns.
- (A) 128
 - (B) 256
 - (C) 512
 - (D) 1024
88. What is the shortcut key to insert a new comment in a cell ?
- (A) F2
 - (B) Alt + F2
 - (C) Ctrl + F2
 - (D) Shift + F2
89. What is the shortcut key to insert new sheet in current workbook ?
- (A) F11
 - (B) Alt + F11
 - (C) Ctrl + F11
 - (D) Shift + F11
90. What will be the result if you type = A1 = B1 in cell C1 ?
- (A) Yes or No
 - (B) True or False
 - (C) Value of A1
 - (D) Value of B1
91. Microsoft access is a :
- (A) RDBMS
 - (B) OODBMS
 - (C) ORDBMS
 - (D) Network database model
92. A database language concerned with the definition of the whole database structure and schema is :
- (A) DDL
 - (B) DML
 - (C) DCM
 - (D) All of the above

93. Which of the following is not a type of Microsoft access database object ?
- (A) Table
 - (B) Form
 - (C) Worksheet
 - (D) Modules
94. What is the maximum length a text field can be ?
- (A) 75
 - (B) 64
 - (C) 254
 - (D) 255
95. Which field type is used to store pictures in a table ?
- (A) Memo
 - (B) OLE
 - (C) Hyperlink
 - (D) None of the above
96. A query prompts a user for a data and then displays only records that contain the specified data. Which type of query is this ?
- (A) A parameter query
 - (B) A crosstab query
 - (C) An update query
 - (D) An action query
97. A query summarizes information in a grid organized by regions and months. Which type of query is this ?
- (A) An update query
 - (B) A parameter query
 - (C) An action query
 - (D) A crosstab query
98. In MS Access press Ctrl + O to :
- (A) Open a new database
 - (B) Open an existing database
 - (C) Exit MS access
 - (D) None of these
99. In Ms Access LOOKUP WIZARD is used to :
- (A) To select from previous values
 - (B) To select values from excel sheets
 - (C) To select values from another table
 - (D) Not a valid data type
100. In MS access auto number data type :
- (A) Can be sequential
 - (B) Can be random
 - (C) Can be edited
 - (D) Only (A) and (B)

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