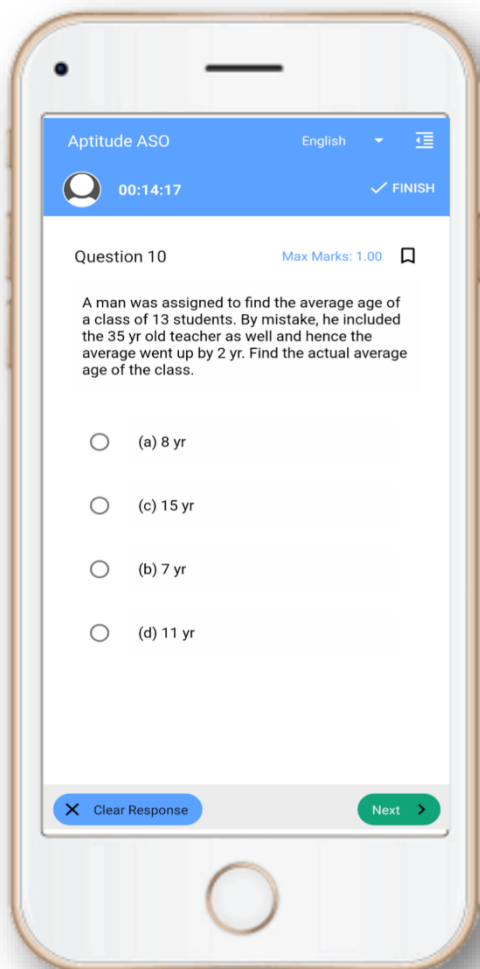


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# **B.Ed Science Entrance 2020**

**Education & General Awareness**

**Total Shifts- 7**

**Total Questions- 35**

**( By [Techofworld.In](http://Techofworld.In) )**

## 5 Nov 2020 Shift-1

**11) A cannon ball (shell) is fired from a cannon and it explodes in the mid air. In this regard, which one of the following statements is CORRECT for the cannon ball?**

- A) Total momentum of the system increases
- B) Total momentum of the system decreases
- C) Total kinetic energy of the system increases
- D) Total kinetic energy of the system decreases

**12) Who among the following leaders was not a leader of the socialist parties in India?**

- A) Achyut Patwardhan
- B) Asoka Mehta
- C) Acharya Narendra Dev
- D) E. M. S. Namboodiripad

**13) Which of the following is a type of school dating back to the vedic period?**

- A) The Jain monastery
- B) The Gurukul system
- C) The Buddhist monastery
- D) The Church

**14) In the year 1917, Sir Michael Sadler chaired the**

- A) Bombay University Commission
- B) Madras University Commission
- C) Calcutta University Commission

D) Delhi University Commission

**15) Who is given the responsibility to track student attendance and bringing dropouts back to school?**

- A) Teachers
- B) Principals
- C) Social workers
- D) School Management Committee Members

## Answer Key

11	12	13	14	15
c	d	b	c	c

## 5 Nov 2020 Shift-2

**11) The gravitational force inside a hollow sphere shell of uniform areal mass density is everywhere equal to**

- A) Unity
- B) Infinite
- C) Zero
- D) A negative number

**12) Which of the given pairs is/are correct?**

- (a) Bharatiya Jana Sangh - Shyama Prasad Mukherjee
- (b) Swatantra Party - Minoo Masani
- (c) Congress Party - Rafi Ahmad Kidwai
- (d) Socialist Party - Ajay Ghosh
- A) a only

- B) a and b only  
C) a, b and c  
D) a, c and d

**13) The 'School Choice Campaign' is a program initiated in 2007 by the NGO -**

- A) Shikshangan  
B) Pratham  
C) Akshara Foundation  
D) Centre for Civil Society

**14) In 1929, the Hartog Committee was established to review the**

- A) education of English language in India  
B) state of girls' education in India  
C) position of education in India  
D) state of education in the rural sector in India

**15) The National Teacher Portal that avails teachers high quality resources for literacy and numeracy is named -**

- A) Dhruv  
B) Dhvani  
C) Dhanam  
D) Diksha

## 5 Nov 2020 Shift-3

**11) For a moving charged particle in a magnetic field, the largest force occurs on the particle when**

- A) The angle between the direction of velocity and the direction of the magnetic field is equal to  $90^\circ$   
B) The angle between the direction of velocity and the direction of the magnetic field is less than  $90^\circ$   
C) The angle between the direction of velocity and the direction of the magnetic field is equal to  $60^\circ$   
D) The angle between the direction of velocity and the direction of the magnetic field is equal to  $0^\circ$

**12) Which among the following was last important act given by British government to the Indian people?**

- A) Charter Act of 1813.  
B) Bengal Regulation Act, 1818.  
C) Rowlatt Act, 1919  
D) Government of India Act 1935

**13) The body that works at the grass-roots level for the success of programmes being undertaken in the areas of elementary and adult education is -**

- A) Sarva Shiksha Abhiyan  
B) National Council for Teacher Education  
C) District Institutes of Education and Training  
D) Navodaya Vidyalaya Samiti

## Answer Key

11	12	13	14	15
c	c	d	c	d

**14) The Secondary Education Commission was chaired by**

- A) Dr. Radhakrishnan
- B) Principal John Christie
- C) Dr. Kenneth Williams
- D) Dr. Laxman Swami Mudaliar

**15) The Pupil Teacher Ratio stipulated by the NEP 2019 at the early/elementary age is**

- A) under 40:1
- B) under 30:1
- C) under 45:1
- D) under 35:1

### Answer Key

11	12	13	14	15
a	d	c	d	b

### 6 Nov 2020 Shift-1

**11) Four scales- P, Q, R and S with least counts 0.01 cm, 0.05 cm, 0.01 mm and 0.05 mm, respectively, are used to measure the length of a rod. Which scale will give the most accurate reading of the length of the rod?**

- A) R
- B) S
- C) P
- D) Q

**12) Mandal Commission was appointed by which political party at the centre?**

- A) Janata Party
- B) Congress Party
- C) Communist Party of India
- D) Jana Sangh Party

**13) The On-Demand Examination system in secondary schooling is available with the -**

- A) ICSE
- B) NIOS
- C) CBSE
- D) State Boards

**14) The Wardha Scheme of Education was popularly known as -**

- A) Nayi Taleem
- B) Naya Jeevan
- C) Naya Desh
- D) Nayi Jagriti

**15) The 1993 Report appointed by MHRD, was asked to analyse the problem of the 1993 curriculum was titled?**

- A) Learning without Walls
- B) Learning without Burden
- C) Learning without Books
- D) Learning without Fear

### Answer Key

11	12	13	14	15
a	a	b	a	b

## 6 Nov 2020 Shift-2

11) Which of the following factors determine the sensitivity of an astronomical telescope?

- A) Focal length of the objective lens
- B) Diameter of the objective lens
- C) Focal length of the eyepiece
- D) Diameter of the eyepiece

12) Under which of the following conditions term of loksabha sabha can be extended by one year?

- A) Proclamation of Emergency
- B) Proclamation of the amendment of the constitution
- C) Proclamation of President rule in the state
- D) None of the above

13) One of the major activities of the State Councils of Education Research and Training is

- A) teacher education
- B) sanctioning aid to schools
- C) centralising teacher education
- D) monitoring school infrastructure

14) In the year 1902, which commission was appointed to enquire into the condition and prospects of the universities established in British India?

- A) The Education Commission
- B) The Indian Universities Commission
- C) The University Grants Commission
- D) The Universities Act

15) The India Early Childhood Education Impact Study (2017) was carried out by

- A) Aligarh University
- B) Asoka University
- C) Delhi University
- D) Ambedkar University

### Answer Key

11	12	13	14	15
b	a	a	b	d

## 6 Nov 2020 Shift-3

11) Which of the following arrangement of the fundamental forces of nature is according to their ascending magnitudes?

- A) Electromagnetic force, strong nuclear force, weak nuclear force, and gravitational force
- B) Strong nuclear force, electromagnetic force, weak nuclear force, and gravitational force
- C) Weak nuclear force, gravitational force, strong nuclear force, and electromagnetic force
- D) Gravitational force, weak nuclear force, electromagnetic force, and strong nuclear force

12) Besides having two sets of government, a federal system must have which of the following feature/s:

- (a) A written constitution

(b) Division of powers between the central government and the state governments

(c) Independence of Judiciary

(d) Two heads of state - nominal and real

- A) a only
- B) a and b only
- C) a, b, and c
- D) a, c, and d

**13) An NIOS tutor must establish relationship with the learner by -**

- A) identifying the heterogeneity in learners background and their expectations
- B) stressing on learners' responsibilities and their participation in group activities
- C) stating the purpose and objectives of academic sessions
- D) selecting appropriate teaching strategies during contact programme session

**14) What was the report Scheme of Post-war Education in India also called?**

- A) The Hartog Report
- B) Macaulay's Minutes
- C) The Sargent Report
- D) Wood's Dispatch

## Answer Key

11	12	13	14	15
d	c	a	c	a

## 7 Nov 2020 Shift-1

**11) Which of the following statements is CORRECT for the tip of a second needle (second hand) in a watch or a clock in one minute?**

- A) Its distance and displacement are both zero
- B) Its average speed and distance are both zero
- C) Its average velocity and displacement are both zero
- D) Its average speed and average velocity are both zero

**12) What is a 'cabinet form of government'?**

- A) A form of government in which a group is collectively responsible to the parliament.
- B) A form of government in which a group is not responsible to the parliament and decides on the policies of the government
- C) A form of government in which a group is the real and popular head of the state
- D) A form of government in which all cabinet members are heads of the state

**13) Jawahar Navodaya Vidyalayas are -**

- A) Co-educational, fully residential schools in rural areas
- B) Only boys residential schools in rural areas
- C) Only girls residential schools in rural areas
- D) Co-educational, partly residential schools in rural areas

**14) The Sapru Committee was appointed in 1934 by the Government of which state?**

- A) Maharashtra
- B) West Bengal
- C) Madhya Pradesh
- D) Uttar Pradesh

**15) According to the Right to Education Act 2009, what does 'elementary' education mean?**

- A) Preschool to Grade 5
- B) Grades 1 to 5
- C) Preschool to Grade 2
- D) Grades 1 to 8

### Answer Key

11	12	13	14	15
c	a	a	d	d

### 05-June-2019\_Batch1

**11) Which of the following options an important component of Sarva Siksha Abhiyan (SSA) to bring outof-school children in the fold of elementary education?**

- A) Kasturba Gandhi Balika Vidyalaya Scheme
- B) District Primary Education Programme
- C) Non-Formal Education Scheme
- D) Education Guarantee Scheme

**12) Read the following statements and choose the CORRECT option.**

**(i) The Preamble of the Indian Constitution gives its citizens social, economic and political Justice.**

**(ii) The Preamble of the Indian Constitution gives its citizens liberty of thought, expression, belief, faith and worship.**

- A) (i) is TRUE and (ii) is TRUE
- B) (i) is FALSE and (ii) is FALSE
- C) (i) is FALSE and (ii) is TRUE
- D) (i) is TRUE and (ii) is FALSE

**13) The basic recommendations of which of the following Policy/Commission was related to free and compulsory education, development and protection of all the Indian languages, equality of educational opportunities and identification of gifted children?**

- A) National Commission of Education
- B) New Educational Policy
- C) The Education Commission
- D) National Policy on Education

**14) Which of the following commissions was appointed to study the problem of university education in the country and to suggest measures for its reforms?**

- A) University Education Commission
- B) Secondary Education Commission
- C) University Higher Education Commission
- D) Indian Education Commission

**15) The intensity or the magnitude of the earthquakes is measured using**

- A) Secant scale
- B) Kepler scale



C) Beaufort scale

D) Richter scale

## Answer Key

11	12	13	14	15
d	a	d	a	d

## 05-June-2019\_Batch 2

11) Which of the following statements was emphasized by The National Policy on Education, 1986?

A) A lamp can never light another lamp unless it continues to burn its own flame

B) The status of the teacher reflects the socio-cultural ethos of the society

C) Sound programme of professional education for teachers should be introduced

D) The destiny of India is now being shaped in her classrooms

12) Which of the following options is a special provision by which the government obtains Parliament's approval for funds sufficient to incur expenditure for a part of the year enabling it to incur expenses till a full budget is prepared or till the formation of a new government?

A) Grant-on-account

B) Vote-on-account

C) Full budget

D) Interim budget

13) Which of the following primarily analyzed the position of vocational education but also made valuable suggestions about teacher education?

A) The Abbott - Wood Report (1937)

B) Government of India Act (1935)

C) Sargent Report (1944)

D) Sadler Commission Report (1917)

14) Which of the following commissions stated, '...the elementary education of the masses, its provision, extension and improvement deserves the greatest attention in any national system of education'?

A) Hunter Commission

B) Radhakrishnan Commission

C) Mudaliar Commission

D) Kothari Commission

15) Nephron is the smallest functional and structural unit of which of the following organs?

A) Heart

B) Liver

C) Brain

D) Kidney

## Answer Key

11	12	13	14	15
b	b	a	a	d

## 05-June-2019\_Batch 3

11) Under whose Chairmanship was the University Education Commission established in 1948-49?

A) Dr. S. Ramanathan

B) Dr. L. S. Mudaliar

C) Dr. S. Radhakrishnan

D) Dr. D. S. Kothari

**12) The highest advisory body to advise the Central and State Governments in the field of education is**

- A) NCHE
- B) NKC
- C) CBSE
- D) CABE

**13) Read the following statements and choose the CORRECT option.**

**(i) A Money Bill can be introduced in Lok Sabha only.**

**(ii) A Money Bill can be referred to a Joint Committee of the Houses.**

- A) (i) is FALSE and (ii) is TRUE
- B) (i) is FALSE (ii) is FALSE
- C) (i) is TRUE and (ii) is TRUE
- D) (i) is TRUE and (ii) is FALSE

**14) The function of CIET is to encourage the use of**

- A) Educational Techniques in the spread of vocational courses
- B) Educational Technology in the spread of education
- C) Educational Techniques in the spread of education
- D) Educational Technology in the spread of vocational courses

**15) 'Titan' is the largest moon of which of the following planets?**

- A) Venus

B) Uranus

C) Jupiter

D) Saturn

### Answer Key

11	12	13	14	15
c	d	d	b	d

## 05-June-2019\_Batch 4

**11) According to the views of University Education Commission, (1948-49) good general school education means one "which will prepare pupil for university work, and -----"**

- A) practical work to earn his living if he did not proceed to a university
- B) practical work for leisure
- C) practical work for leisure and knowledge
- D) practical work to earn his living as well as to study in university

**12) What is the minimum age that a person must attain to be eligible to be a member of a Panchayati Raj Institution?**

- A) 25 years
- B) 18 years
- C) 21 years
- D) 30 years

**13) The New Education Policy felt the need to awaken people about the various**

- A) Objectives of Primary Education
- B) Secondary School Developments
- C) Scientific and technological developments

D) Higher Education Initiatives

**14) Which of the following is the scope of State Institute of Education (SIE) ?**

- A) higher secondary and university education
- B) secondary and college education
- C) pre-primary, primary, secondary and higher secondary education
- D) non formal education

**15) The disease diphtheria affects which of the following body parts?**

- A) Throat and Nose
- B) Small and Large Intestine
- C) Lungs and Trachea
- D) Bones and Joints

### Answer Key

11	12	13	14	15
a	c	c	c	a

### 06-June-2019\_Batch1

**11) For which stage of education did the New Educational Policy, 1986 recommend vocationalization of education?**

- A) Elementary
- B) Higher
- C) Secondary
- D) Primary

**12) Which of the following commission recommended, 'the introduction of**

**Education as an optional subject at the Graduation and P.G. level'?**

- A) Secondary Education Commission (1952-53)
- B) University Education Commission (1948-49)
- C) Education Commission (1964-66)
- D) Calcutta University Commission (1917-19)

**13) Which of the following features of the Indian Constitution are borrowed from the Australian Constitution?**

- A) Concept of the Concurrent List
- B) Concept of Written Constitution
- C) Concept of Supreme Court
- D) Concept of Lok Sabha

**14) The blue colour of the clear sky is due to which of the following optical phenomena?**

- A) Total Internal Reflection of light
- B) Dispersion of light
- C) Distortion of light
- D) Scattering of light

**15) Which of the following is CORRECT full form of acronym S.C.E.R.T?**

- A) Standard Council of Educational Research and Training
- B) State Council of Educational Research and Teachers
- C) State Committee of Educational Research and Training
- D) State Council of Educational Research and Training

## Answer Key

11	12	13	14	15
c	d	a	d	d

## 06-June-2019\_Batch 2

11) Which of the following agencies of education provide support to Alternative Education Centers?

- A) Family and Society
- B) CBSE, ICSE and State Boards
- C) Village Panchayat
- D) CRCs and BRCs

12) Which of the following Commissions stated, "The destiny of India is now being shaped in her classrooms"?

- A) University Education Commission
- B) The National Education Commission
- C) Secondary Education Commission
- D) Sadler Commission

13) An electric motor is a device for converting

- A) Mechanical energy into electrical energy
- B) Chemical energy into electrical energy
- C) Electrical energy to mechanical energy
- D) Heat energy into electrical energy

14) Which of the following bodies emphasized that part-time education and correspondence courses should be developed on a large scale at the university stage?

- A) National Policy on Education
- B) National Education Convention
- C) National Convention for Education
- D) National Education and Policy Development

15) Who among the following is the Indian government's chief legal advisor, and its primary lawyer in the Supreme Court of India?

- A) Additional Solicitor General
- B) Solicitor General
- C) Chief Justice of India
- D) Attorney General

## Answer Key

11	12	13	14	15
d	b	c	a	d

## 06-June-2019\_Batch 3

11) The intensity or the magnitude of the earthquakes is measured using

- A) Richter scale
- B) Kepler scale
- C) Secant scale
- D) Beaufort scale

12) As per Article 173 of the Indian Constitution, to be a member of the Legislative Assembly he/she must NOT be less than

- A) 30 years of age
- B) 20 years of age
- C) 32 years of age

D) 25 years of age

13) For which stage of education did the New Education Policy, 1986 recommend vocationalization of education?

- A) Higher
- B) Primary
- C) Elementary
- D) Secondary

14) Teacher Training was renamed as 'Teacher Education' by which of the following commissions?

- A) Secondary Education Commission
- B) Sadler Commission
- C) Indian Education Commission
- D) University Education Commission

15) Developing the sense of cooperation among university departments and other training institutions and providing suggestions for the development of state teacher educators is the function of which of the following agencies?

- A) State Board of Teacher Education
- B) State Council of Educational Research and Training
- C) State Institute of Education
- D) National Council of Educational Research and Training

## 08 Aug 2018 shift 2

11) Identify an NGO from the following which recruit college graduates and working professionals to serve as full-time teachers in low-income schools.

- A) Learn India
- B) Change India
- C) Tuitions for India
- D) Teach for India

12) The number of seats in Lok Sabha allotted to different states is determined based on the state's

- A) Mineral resources
- B) Population
- C) Area
- D) Geographical location

13) Myopia is a disorder associated with which of the following sense organs?

- A) Eyes
- B) Ears
- C) Skin
- D) Nose

14) What is the meaning of the term 'Shiksha' derived from the Sanskrit root word 'Shas'?

- A) To discipline
- B) To study
- C) To learn
- D) To enlighten

## Answer Key

11	12	13	14	15
a	d	d	d	a

15) As per the direction of the Supreme Court which committee was set up in the year 2005 to investigate the issue of student union elections in universities and colleges?

- A) Shah Committee
- B) Lyngdoh Committee
- C) Yashpal Committee
- D) Kelkar Committee

### Answer Key

11	12	13	14	15
d	b	a	a	b

## 08 Aug 2018 shift 3

11) As of June 2018, who among the following is the Vice President of India?

- A) Ram Nath Kovind
- B) Dr. D. Subbarao
- C) Sarbananda Sonowal
- D) M. Venkaiah Naidu

12) Which gland in the human body is called the 'Master Gland'?

- A) Thyroid
- B) Pituitary gland
- C) Pancreas
- D) Adrenal gland

13) The Ministry of Human Resources Development, Govt. of India had constituted the Yashpal committee in February 2008 to

- A) raise the standard of Elementary Education in India

B) encourage the new ideas and research activities in India

C) advise renovation and rejuvenation of Higher Education in India

D) separate research activities from teaching in India

14) After witnessing a sharp decline in the sex-ratio in some districts of India, the Government of India introduced a programme in January 2015. Identify this programme from the following options.

- A) BetiBachao, Betipadhao
- B) BetiPaalo, Bethipadhao
- C) Sukanya SamriddhiYojna
- D) Mukhyamantri Rajshri Yojna

15) Which of the following is a nodal agency for over all planning and management and funding of Adult Education Programmes and institutions in India?

- A) National Literacy Mission Authority
- B) Department of Secondary Education
- C) National Bureau of Adult Education
- D) Department of Literacy of India

### Answer Key

11	12	13	14	15
d	b	c	a	a

## 09 Aug 18\_Batch 1

11) A Committee was constituted for evolution of the New Education Policy (2016) that focuses on improving the quality of education and restoring the credibility of the education system in India, under the chairmanship of:

- A) Daulat Singh Kothari
- B) TST Subramanian
- C) LakshmanswamiMudaliar
- D) Sevaram Sharma

12) Bleaching powder is formed by the action of which of the following elements?

- A) Silver
- B) Zinc
- C) Copper
- D) Chlorine

13) Which of the following bodies grants approval for starting new technical institutions, for introduction of new courses and for variation in intake capacity in technical institutions?

- A) All India Council for Technical Education
- B) Institute of Electrical and Electronics Engineers
- C) Indian Institute of Science Education and Research
- D) Central Advisory Board of Education

14) Which of the following parties formed the government in Karnataka after the elections in May 2018?

- A) JD(S)-Congress alliance
- B) JD(S)-BJP alliance

C) BJP

D) Congress

15) 'Padhe Bharat Badhe Bharat', launched in 2014 is a sub-programme of which of the following major schemes in India?

- A) Jan Shikshan Sansthan
- B) Sarva Shiksha Abhiyan
- C) Rashtriya Madhyamik Shiksha Abhiyan
- D) Saakshar Bharat Abhiyan

### Answer Key

11	12	13	14	15
b	d	a	a	b

### 09 Aug 18\_Batch 3

11) Which of the following schools were primarily established for the wards of the Central Government employees who are periodically transferred?

- A) KendriyaVidyalayas
- B) Kasturba Gandhi Vidyalayas
- C) Cambridge Schools
- D) Central Tibetan Schools

12) What does the programme 'SWAYAM' a programme for online education stand for?

- A) Study Webinars of Active -Learning for Young ActiveMinds
- B) Study Webs of Active -Learning for Young AspiringMinds

C) Sessions on Web for Active -Learning for YoungAspiring Minds

D) Sessions on Web of Active -Learning for Youth and Active Minds

**13) What is the other name for the Calcutta University Commission appointed in the year 1917?**

A) Montague Commission

B) Mudaliar Commission

C) Chelmsford Commission

D) Sadler Commission

**14) According to the official website of Elections, the state assembly elections is to be tentatively held in Dec 2018for which of the following states of India?**

A) Bihar

B) Andhra Pradesh

C) Madhya Pradesh

D) Gujarat

**15) Which of the following is the process of heating organic material at high temperatures in the absence of oxygen?**

A) Distillation

B) Haemolysis

C) Pyrolysis

D) Oxidation

## Answer Key

11	12	13	14	15
a	b	d	c	c