

MH-SET Paper One (February 2013)

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| <p>1. Major role of a teacher is to :</p> <p>(A) Provide the students up-to-date knowledge</p> <p>(B) Provide the students accurate knowledge</p> <p>(C) Assist the students to acquire and reorganise knowledge</p> <p>(D) Assist the students to remember given knowledge for a long time.</p> <p>2. The learner characteristics that impacts learning the most are :</p> <p>(A) Social and economic background</p> <p>(B) Intelligence and study habits</p> <p>(C) Aptitude and motivation</p> <p>(D) Age and health</p> <p>3. The main drawback of lecture is that :</p> <p>(A) The students get bored and become inattentive consequently</p> <p>(B) The students get readymade answers and become lazy</p> <p>(C) The students become passive receivers and do not think</p> <p>(D) The students get engaged in taking notes and become tired</p> | <p>4. If 'Learning to know' is aim of education, then students should be :</p> <p>(A) provided with latest global knowledge</p> <p>(B) taught with the help of latest technology</p> <p>(C) given more indepth assignments</p> <p>(D) encouraged for self-learning</p> <p>5. Which effort will promote use of library by students ?</p> <p>(A) Development of skills and interest in reading</p> <p>(B) Attractive display of new books and journals</p> <p>(C) Reading assignments given by teacher</p> <p>(D) Appointment of student representatives on library committee</p> <p>6. Present evaluation system has limitations regarding :</p> <p>(A) Predicting success in academic courses</p> <p>(B) Predicting success in life and vocation</p> <p>(C) Measuring development of skills</p> <p>(D) Judging academic achievement</p> |
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7. Knowledge unlike belief refers to :
- (A) Values
- (B) Perceptions
- (C) Facts**
- (D) Myths
8. One of the main aims of science is :
- (A) Persuasion
- (B) Prediction**
- (C) Postdiction
- (D) Assertion
9. The stage at which the researcher makes his/her observations and records them, is called as :
- (A) Data Measurement
- (B) Data Analysis
- (C) Data Processing
- (D) Data Collection
10. A set of interrelated concepts, definitions, and propositions that present a systematic view of phenomena by specifying relations among variables is called :
- (A) Procedure
- (B) Theory**
- (C) Method
- (D) Causation

11. An exhaustive and critical reading of the available literature on the research topic prior to its investigation is called as :
- (A) Researching of literature
- (B) Review of literature
- (C) Assessment of literature
- (D) Classification of literature
12. A 'focus group discussion' includes about participants.
- (A) 6–8**
- (B) 22–26
- (C) 2–4
- (D) 10–15

Answer question Nos. 13 to 18 based either on the English or the Marathi passage :

As matters stand today, many teachers are unable to do the best of which they are capable. For this there are a number of reasons, some more or less accidental, others very deep-seated. To begin with the former, most teachers are overworked and are compelled to prepare their pupils for examinations rather than to give them a liberalizing mental training. The people who are not accustomed to teaching—and this includes practically all educational

authorities—have no idea of the expense of spirit that it involves. Clergymen are not expected to preach sermons for several hours every day, but the analogous effort is demanded of teachers. The result is that many of them become harassed and nervous, out of touch with recent work in the subjects that they teach, and unable to inspire their students with a sense of the intellectual delights to be obtained from new understanding and new knowledge.

This, however, is by no means the bravest matter. In most countries certain opinions are recognized as correct, and others as dangerous. Teachers whose opinions are not correct are expected to keep silent about them. If they mention their opinions it is propaganda, while the mentioning of correct opinions is that the inquiring young too often have to go outside the classroom to discover what is being taught by the most vigorous minds of their own time. There is a subject called civics, in which, perhaps more than in any

other, the teaching is expected to be misleading. The young are taught a sort of copybook account of how public affairs are supposed to be conducted, and are carefully shielded from all knowledge as to how in fact they are conducted. When they grow up and discover the truth, the result is too often a complete cynicism in which all public ideals are lost; whereas if they had been taught the truth carefully and with proper comment at an earlier age they might have become men able to combat evils in which, as it is, they acquiesce with a shrug.

13. The author regrets the fact that :
- (A) clergymen are not expected to preach everyday
 - ☒ (B) many teachers are not able to realise their full potential
 - (C) some teachers are better than the others
 - (D) teachers are expected to train students' minds
14. Which of the following statements is *true* ?
- (A) Educational authorities are effective teachers
 - (B) In all countries certain opinions are recognised as correct
 - (C) Civics is unnecessarily taught in some contexts
 - (D) Most teachers are forced to prepare their students for examinations

15. Teachers are expected to :
- (A) discover the truth
 - (B) be cynical about public ideals
 - (C)** lecture for many hours every-day
 - (D) inspire their students to work hard
16. Teachers are out of touch with :
- (A)** the recent developments in their own subjects
 - (B) the latest encyclopaedias
 - (C) the reality of the world
 - (D) propaganda
17. The teaching of Civics is problematic because students realise that :
- (A) they cannot combat the evils of society
 - (B) they cannot formulate correct opinions about society
 - (C)** what they were taught is different from reality
 - (D) they cannot take delight in new knowledge
18. Choose the most appropriate title for the passage from the following :
- (A) Difficulties faced by teachers
 - (B) The teaching of civics
 - (C) Students' duties
 - (D) Teaching as a noble profession
19. In which of the following types of communication the sender and receiver very rarely share the same time and space continuum and interact in a considerable way ?
- (A) Interpersonal Communication
 - (B) Group Communication
 - (C)** Mass Communication
 - (D) Verbal Communication
20. We generally and unknowingly tend to believe non-verbal clues more than verbal clues of a person because :
- (A) verbal clues are generally difficult to understand
 - (B)** non-verbal clues are more involuntary than verbal
 - (C) verbal clues are highly culture sensitive
 - (D) non-verbal clues are highly controllable
21. Which of the following are examples of non-verbal communication ?
- (i) Grunt
 - (ii) Emoticon
 - (iii) Letter
 - (iv) Sigh
- (A) only (i) and (ii) are correct
 - (B) only (ii) and (iv) are correct
 - (C) only (ii), (iii) and (iv) are correct
 - (D)** only (i), (ii) and (iv) are correct

22. On the criteria of interactivity and dynamism of communication which of the following is the best situation for teaching ?
- (A) Face-to-face classroom teaching
(B) Video lecture with talk back
(C) A simulated virtual classroom
(D) Distance education
23. Which year marked the arrival of private satellite television channels in India ?
- (A) 1982
(B) 1985
(C) 1991
(D) 1995
24. In the context of Indian media identify the correct alternative :
- Newspaper : IRS :: TV : ?
- (A) TRP
(B) TPR
(C) TVN
(D) TAE
25. Replace the question mark (?) by an appropriate alternative in the following series :
- 32 33 37 46 62 ?
- (A) 85
(B) 87
(C) 94
(D) 99
26. Replace the question mark (?) by an appropriate alternative in the following letter series :
- AZ DW GT JQ ?
- (A) LD
(B) MN
(C) MO
(D) NM
27. In a certain code language, PUNE is written as SXQH. How would you write DELHI in this language ?
- (A) FGNJL
(B) FGNJK
(C) GHOKM
(D) GHOKL
28. Find the odd man out :
- (A) 6
(B) 18
(C) 24
(D) 36
29. Find the wrong term in the following series :
- 68 66 62 59 56 53
- (A) 59
(B) 62
(C) 66
(D) 68
30. P is the brother of Q; Q is the son of R; S is R's father. What is P of S ?
- (A) Son
(B) Brother
(C) Grandson
(D) Grandfather

31. In this question, a statement is followed by two assumptions, I and II. Decide which of the assumption/s is/are implicit in the given statement. Indicate your answer by choosing one of the alternatives :

Alternatives :

Mark :

- (A) if assumption I only is implicit.
- ☒ (B) if assumption II only is implicit.
- (C) if both I and II are implicit.
- (D) if neither I nor II is implicit.

Statement :

Children are influenced more by their teachers.

Assumptions :

I : A large amount of time is spent at school by the children.

II : Children consider their teachers as role models.

32. In this question, two statements numbered 1 and 2 are followed by two conclusions P and Q. You have to take the two statements to be true and then decide which of the two conclusion/s necessarily follow/s from the two given statements. Indicate your answer by using the appropriate alternative :

Alternatives :

Mark :

- (A) if only conclusion P follows.
- (B) if only conclusion Q follows.
- (C) if both conclusions P and Q follow.
- ☒ (D) if neither conclusion P nor Q follows.

Statements :

- (1) All guilty men are prisoners.
- (2) No prisoners are educated.

Conclusions :

- (P) Some educated persons are prisoners.
- (Q) Some educated persons are guilty.

33. Replace the question mark (?) by an appropriate alternative :

Yard : ? :: Quart : Litre

- ☒ (A) Metre
- (B) Pint
- (C) Pound
- (D) Foot

34. Find the odd man out :

- (A) Zinc
- (B) Iron
- ☒ (C) Iodine
- (D) Mercury

35. In a junior college with 500 students, 250 students study Mathematics and 200 students study Biology. One hundred students study neither Mathematics nor Biology. How many students study both Mathematics and Biology ?

- ☒ (A) 50
- (B) 100
- (C) 150
- (D) 250

36. Select the same relationship from the given four alternatives as given in the original pair.

Square : Cube

- (A) Triangle : Prism
- ☒ (B) Circle : Sphere
- (C) Sphere : Earth
- (D) Line : Cylinder

Yearly income of three men and two women is given in the following table. Read the table and answer questions 37 to 39 :

Income (in thousand rupees)

Person	1990	1991	1992	1993
Mohan	120	160	200	240
Hariprasad	100	140	160	200
Laxman	90	120	150	200
Smt. Meenakshi	200	250	300	370
Km. Radha	120	120	150	170

37. Who has the average income of Rs. 1,40,000 for all the four years ?
- (A) Mohan alone
(B) Mohan and Hariprasad both
(C) Laxman and Km. Radha both
(D) Km. Radha alone
37. Who has the average income of Rs. 1,40,000 for all the four years ?
- (A) Mohan alone
(B) Mohan and Hariprasad both
(C) Laxman and Km. Radha both
(D) Km. Radha alone
38. How high is the total average income for four years of men compared to that of women (in thousand rupees) ?
- (A) 213.334
(B) 350.044
(C) 432.054
(D) 544.082
39. What is, in round figures, the ratio between the total income of men and that of women for all years ?
- (A) 14 : 15
(B) 15 : 16
(C) 23 : 21
(D) 16 : 14

The following table shows the percent change in monthly value of inventory at six businesses from April to June (for Q. Nos. 40 to 42) :

Business	Percent Change	
	From April to May	From May to June
P	+6	+8
Q	+5	-5
R	+2	+12
S	+8	-5
T	+14	0
U	+2	-10

40. If the value of inventory at Business Q was Rs. 30 lakh for April, what was its value for June ?
- (A) Rs. 22.500 lakh
(B) Rs. 29.925 lakh
(C) Rs. 30.000 lakh
(D) Rs. 33.000 lakh
41. Which of the six businesses had the greatest percent change in value of inventory from April to June ?
- (A) P
(B) R
(C) T
(D) P, R and T
42. The value of inventory for May as percentage of the value of inventory for June is maximum for Business :
- (A) Q
(B) S
(C) T
(D) U

43. .doc is a :
- (A) Word file
 - (B) Picture file
 - (C) Deleted file
 - (D) Driver file
44. In computer terminology which one of the following is the largest in terms of data capacity ?
- (A) KB
 - (B) TB
 - (C) MB
 - (D) GB
45. Skype is usually used for :
- (A) social networking
 - (B) interpersonal communication
 - (C) virtual classroom
 - (D) actual classroom
46. Statistical tables can be generally generated on :
- (A) Microsoft Word
 - (B) Excel
 - (C) PowerPoint
 - (D) Paint Brush
47. Identify the *incorrect* form of addressing any dignitary :
- (A) Cabinet Minister—Honourable
 - (B) Mayor—Honorable
 - (C) Governor—Your Excellency
 - (D) Judge—Your Excellency
48. A speech generally includes the following parts :
- (i) Introduction
 - (ii) Statement of the central idea
 - (iii) The main body
 - (iv) Conclusion
- (A) Only (i) and (iii) are correct
 - (B) Only (i), (iii) and (iv) are correct
 - (C) Only (ii) is correct
 - (D) All the four are correct
49. Reduction in earth's ozone layer leads to :
- (A) Increase in smog concentration
 - (B) Increase in sea levels
 - (C) Increase in UV radiation on the earth's surface
 - (D) Reduction in oxygen level on the earth's surface
50. The following are alternate sources of energy :
- (i) Solar
 - (ii) Nuclear
 - (iii) Wind
 - (iv) Sea waves
- (A) Only (i) and (iii) are correct
 - (B) Only (i), (ii) and (iv) are correct
 - (C) Only (i), (iii) and (iv) are correct
 - (D) Only (ii), (iii) and (iv) are correct

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| <p>51. CEE is an organization associated with :</p> <p>(A) Civil engineering</p> <p>(B) Environmental education</p> <p>(C) Coastal environment</p> <p>(D) Commerce and economics</p> <p>52. Richter scale is used to measure :</p> <p>(A) Wind velocity</p> <p>(B) Siesmic vibrations</p> <p>(C) Intensity of light</p> <p>(D) Volume of water</p> <p>53. High tide and low tide is influenced by :</p> <p>(A) Rotation of the earth</p> <p>(B) Revolution of the earth</p> <p>(C) Phases of the moon</p> <p>(D) Supernatural forces</p> <p>54. The key controversy regarding the Narmada Dam Project focussed on :</p> <p>(A) Electricity production</p> <p>(B) Water distribution</p> <p>(C) Rehabilitation</p> <p>(D) Poverty</p> <p>55. Which of the following is <i>untrue</i> about Deemed University ?</p> <p>(A) It has full autonomy in setting course work</p> <p>(B) It prepares own guidelines for admissions and fees</p> <p>(C) It can affiliate other institutions</p> <p>(D) It can award degrees under its own name</p> | <p>56. Which of the following is <i>not</i> a Professional Course ?</p> <p>(A) Pharmacy</p> <p>(B) Law</p> <p>(C) Engineering</p> <p>(D) Fine Arts</p> <p>57. The right of minorities to establish educational institutions in India is provided by :</p> <p>(A) Fundamental Rights</p> <p>(B) Fundamental Duties</p> <p>(C) Directive Principles</p> <p>(D) Human Rights</p> <p>58. The process of making new syllabus of any course begins in :</p> <p>(A) Faculty</p> <p>(B) Board of Studies</p> <p>(C) Academic Council</p> <p>(D) Research and Recognition Committee</p> <p>59. The apex institution/institutions for engineering education and research in India is/are :</p> <p>(A) Indian Institutes of Technology</p> <p>(B) Indian Institutes of Information Technology</p> <p>(C) Indian Institute of Advanced Study</p> <p>(D) Association of Indian Universities</p> |
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60. The University Grants Commission of India has the following responsibilities :

- (i) Promote and co-ordinate higher education.
- (ii) Maintain standard of teaching, examination and research in universities.
- (iii) Provide funds for higher education.
- (iv) Advise Central and State Government on measures to be taken for improving higher education.

- (A) Only (i) and (ii) are correct
- (B) Only (i), (ii) and (iv) are correct
- (C) Only (i), (ii) and (iii) are correct
- (D) All four are correct

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